

# CATALOG No. 39-A



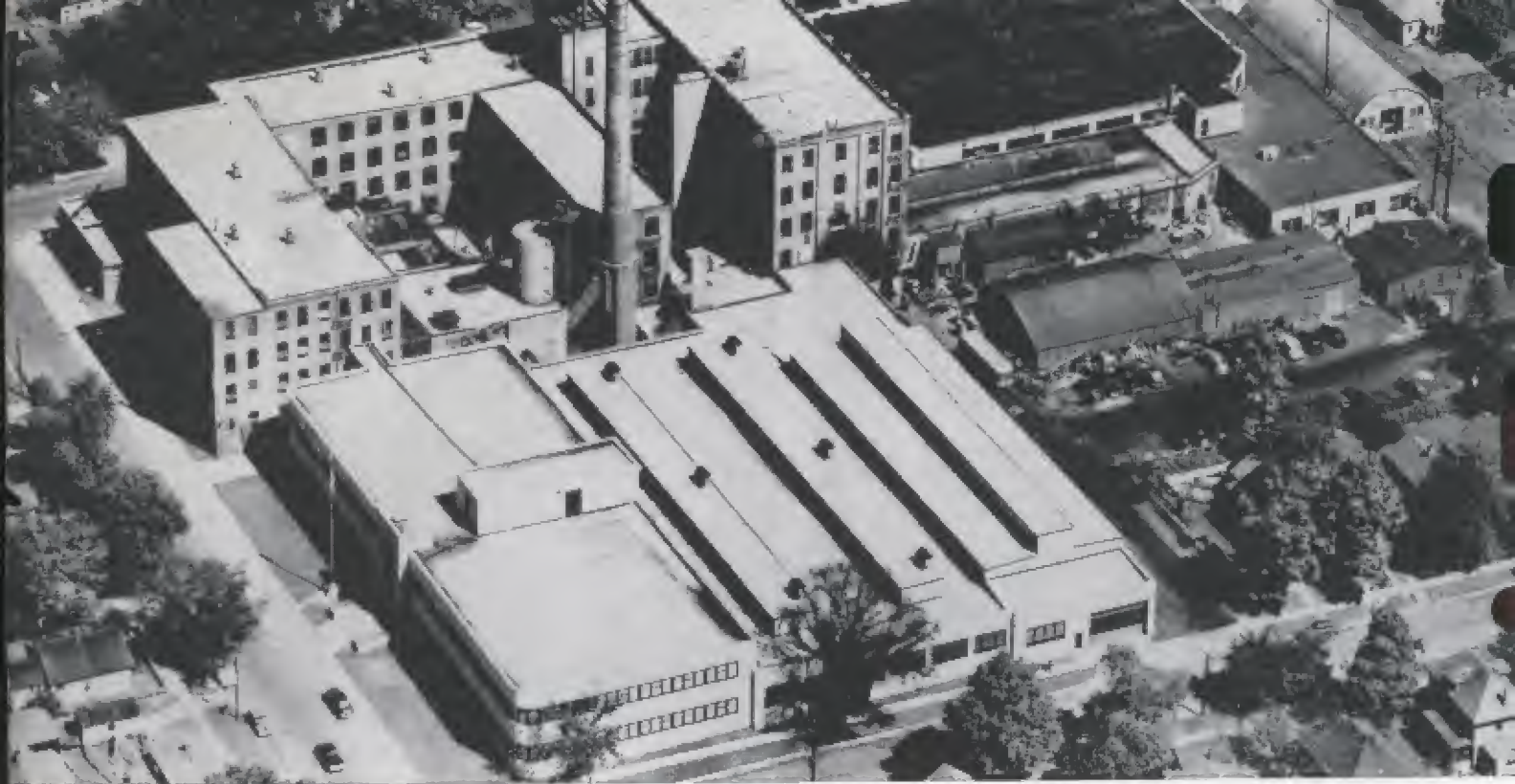
*Thor*

**PORTABLE ELECTRIC TOOLS**

**THOR POWER TOOL COMPANY • AURORA, ILLINOIS**

Distributed By





THOR AURORA, ILL. MAIN WORKS

Thor — manufacturer of portable power tools since 1893, and for nearly 40 years the pioneer in new electric tool developments — introduces in this catalog the highest quality ever attained in universal electric tools . . . the Thor "*Silver Line*."

Released to the field beginning in 1948, the "*Silver Line*" marks a peak in Thor achievement as the designer and manufacturer of so many "firsts" in electric tools.

Thor "*Silver Line*" electric tools — drills, screwdrivers, saws, nut setters, grinders, sanders and polishers — are built to the highest quality standards set by tool users in industry, the automotive service field, and the construction market, who

demand efficient performance and long service in electric tools so vital to meet their production, service and construction schedules.

Trademark of the new "*Silver Line*" beyond its top quality construction and performance is the highly polished finish on the die-cast housings of all tools in the line.

In the "*Silver Line*" and in all models in the Thor universal electric tool line — hammers, valve refacers, valve seat grinders, bench grinders and associated tools — highest quality of materials and craftsmanship is the policy of Thor production, carrying with every model a guarantee of longer service, trouble-free performance and the maximum in power and handling ease.



# UNIVERSAL ELECTRIC TOOLS

## EQUIP- MENT

Thor universal electric tools are furnished with three-wire cables and two-prong plugs suitable for plugging into standard receptacles. The third wire in the cable, green in color, is furnished with a connector to permit grounding the tool as a safety precaution.

## MOTORS

All portable electric tools shown in this catalog are furnished with universal motors which may be operated either on direct current or alternating current of 60 cycles or less at the voltage specified. Bench grinders and valve refacers are furnished standard for operation only on alternating current. On special order, bench grinders are available with direct current motors; valve refacers with universal motors.

## VOLTAGES

Thor motors are furnished standard for operation on 115 volt (110 to 120 volt) current. 220 volt motors can be furnished when specified. Special voltage motors in tools built for export use are also available for domestic use on special orders.

## PARTS INTERCHANGE- ABILITY

All Thor tool parts, including stock repair parts, are precision manufactured for ready interchangeability. Thor has designed its new Silver Line tools with many parts interchangeable from one tool to another, permitting faster and more economical service for tool users and distributors who stock their own repair parts.



A symbol of power and endurance in Norse mythology, Thor, the God of Thunder, has furnished a fitting trade name for the world's most powerful electric and air tools.

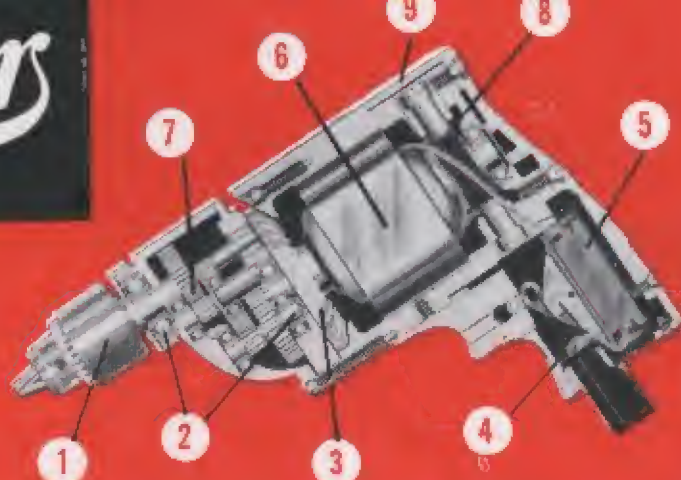
## ALPHABETICAL INDEX

AIR TOOL KIT.....	38
BALANCERS .....	18
BELT SANDERS .....	26
BENCH GRINDERS .....	28
DRILLS .....	4-12
FENDER HAMMERS .....	37
GRINDERS .....	28-29
HAMMER .....	24-25
IMPACT WRENCHES .....	14-15
NIBBLER .....	25
NUT SETTERS .....	14-21
POLISHERS .....	30
SANDERS .....	26-27
SAWS .....	22-23
SCREWDRIVERS .....	16-21
TAPPERS .....	13
VALVE GRINDERS .....	33-34
VALVE REFACERS .....	31-32

**ACCESSORIES  
IN ALL SECTIONS**



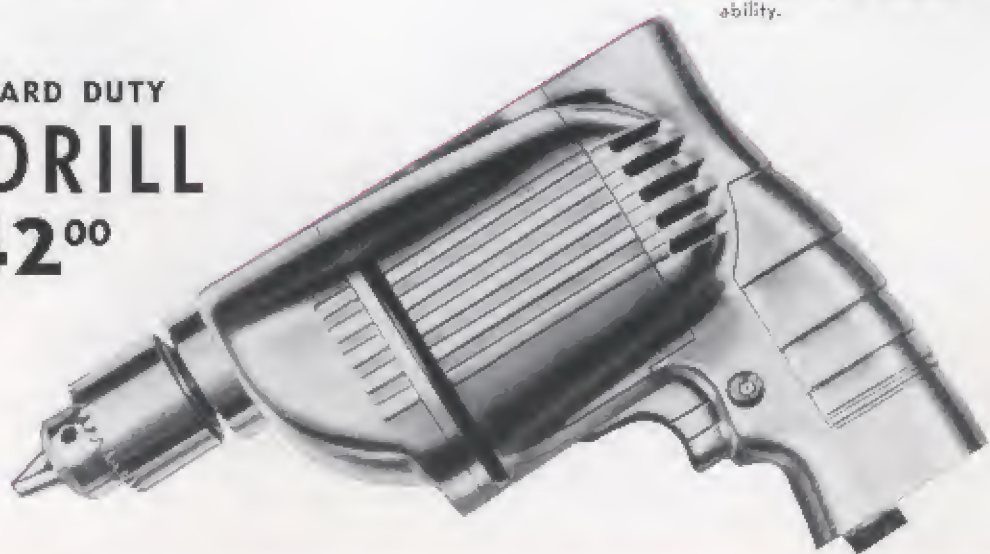
# Thor



- 1 THREE JAW GEARED CHUCK with key, capacity zero to 1/4".
- 2 HEAVY DUTY BALL BEARINGS throughout, grease-sealed for minimum maintenance.
- 3 LARGE VENTILATING FAN AND SLOTS provide cooler handling, longer life of motor.
- 4 EASILY REMOVED HANDLE for quick access to switch and brushes for inspection and cleaning.
- 5 OVER CAPACITY SWITCH is neoprene sealed for endless service.
- 6 DYNAMICALLY AND STATICALLY BALANCED MOTOR develops 25% more power than any other standard duty drill in its class.
- 7 GEARS are of high grade alloy steel, scientifically heat treated for strength and long wear.
- 8 BRIDGED SUPPORT for upper armature bearing maintains permanent alignment for greater accuracy and long wear.
- 9 DIE CAST ALUMINUM HOUSINGS for minimum weight without sacrifice of sturdiness or durability.

## Silver Line

STANDARD DUTY  
**1/4" DRILL**  
**\$42.00**



Available in seven speeds and a right angle model for all general purpose drilling. Slow speed models provide increased torque for drilling stainless steel, monel and other hard alloys and for driving hole saws up to 1 1/8". Exceptionally good balance and light weight make the 1/4" Silver Line a perfect one-hand tool, especially for close quarter and overhead work.

### SPECIFICATIONS

Code	ED2
Capacity	1/4"
Speed	1800 R.P.M.
Weight	3 lbs.
Shipping Weight	4 lbs.
Overall Length	7 7/16"

### OPTIONAL SPEED MODELS

R.P.M.	Code	Price
5000	ED5	\$42.00
3700	ED0	42.00
2500	ED1	42.00

### SLOW SPEED MODELS

1100	ED3	\$48.00
800	ED7	48.00
550	ED4	48.00

ALL MODELS EQUIPPED with 3-jaw chuck and key; pistol grip handle with momentary trigger switch and locking pin; seven feet of 3-conductor rubber cable with 2-prong plug and ground connector.

### 1/4" RIGHT ANGLE DRILL



Standard Chuck      Optional Collet

Right angle head rotates to four positions, up, down, sideways, through 360°. Length of right angle head with standard 3-jaw chuck, 3 1/16"; with optional 1/4" collet, 2 5/16".

Code	ED111
Speed	2250 R.P.M.
Weight	3 3/8 lbs.
Shipping Weight	8 lbs.
Length Overall	10"
PRICE	\$57.00

EQUIPPED with 3-jaw chuck and key; pistol grip handle with momentary trigger switch and locking pin; seven feet of 3-conductor rubber cable with 2-prong plug and ground connector. Optional: 1/4" collet instead of chuck.

All tools equipped with AC DC Universal Motors — Standard Voltage: 115; also available in 220 and special voltages if specified.



*Silver Line*

HEAVY DUTY

**1/4" DRILL**

**\$45<sup>00</sup>**



Pistol Grip



**SIDE HANDLE MODEL**

All "F" series drills can be equipped with side handle at no extra charge. When ordering, add letter "S" to code number.

Rated as a production tool for assembly lines and other heavy duty work, the Thor 1/4" heavy duty "F" series is available in two handle styles and seven speeds, including four slow speeds recommended for drilling in stainless steel and for driving Hole Saws up to 1 1/8". Extra motor power, oversize gearing, ball bearing construction throughout gives these tools the stamina to stand up under hard and heavy usage.

EQUIPPED with 3-jaw chuck and key; momentary trigger switch and locking pin; seven feet of 3-conductor rubber cable with 2-prong plug and ground connector.

**STANDARD SPECIFICATIONS**

Code No.	U14F
Capacity	1/4"
Speed	2500 R.P.M.
Weight	3 3/8 lbs.
Shipping Weight	5 lbs.
Overall Length	8 3/4"
PRICE	\$45.00

**OPTIONAL SPEED MODELS**

Code	R.P.M.	Price
U13F	5000	\$45.00
U12F	3750	45.00

**SLOW SPEED MODELS**

Code	R.P.M.	Price
U17FD	1500	\$53.50
U18FD	1000	53.50
U16FD	750	53.50
U22FD	500	53.50

HEAVY DUTY  
PLASTIC CASE

**1/4" DRILL**

**\$45<sup>00</sup>**

- **SHOCK PROOF**—Completely insulated, like a plastic-handled screw-driver.
- **DURABLE**—Tempered plastic outer housings are completely supported and reinforced by inner aluminum frame.
- **15% LIGHTER**—Heavy duty power, standard duty weight.



Pistol Grip

**STANDARD SPECIFICATIONS**

Code	U14K
Capacity	1/4"
Speed	2500 R.P.M.
Weight	3 1/4 lbs.
Shipping Weight	5 lbs.
Overall Length	8 1/4"
PRICE	\$45.00

**OPTIONAL SPEED MODELS**

Code	R.P.M.	Price
U12K	3750	\$45.00
U13K	5000	45.00



All "K" series drills can be equipped with side handle at no extra charge. When ordering, add letter "S" to code number.

A heavy duty tool with same rated production capacity as the "F" series Silver Lines.

EQUIPPED with 3-jaw chuck and key; momentary trigger switch and locking pin; seven feet of 3-conductor rubber cable with 2-prong plug and ground connector.



# Thor

## COPPER Line

### 1/4" DRILL KIT \$43.50



The complete "home workshop" package, featuring the Thor 1/4" Copper Line electric drill, with 3-jaw geared chuck, pistol grip, and trigger switch with locking pin; equipped with 19 assorted accessories for drilling, buffing, polishing, grinding and wire brushing; also equipped with horizontal stand to mount drill for bench and or table operation; entire contents packaged in convenient steel carrying case.

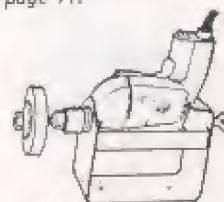
Vertical Drill Stand readily mounts 4CL or 4CLJ 1/4" Copper Line electric drill for use as drill press. See page 11.



**HIGH SPEED DRILL BITS**  
Set of 13, 1/16" to 3/4" for fast drilling in steel or wood.



**PRECISION ARBOR**  
Permits use of grinding wheels, buffing wheels, wire brushes.



**DRILL STAND**  
Grinding, buffing, wire brushing.

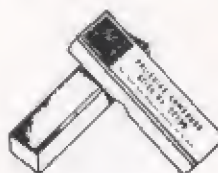
#### KIT SPECIFICATIONS

##### CONTENTS OF NO. 4CLJK KIT

(Including list prices of all items that may be purchased to replace original kit contents)

No. 4CLJ 1/4" Copper Line Drill	\$22.95
No. 22764 Horizontal 1/4" Drill Stand	3.15
No. 74757 Arbor Adaptor with 1/4" Shank and 1/2" Spindle	.60
No. 22765 4" Wire Brush	1.00
No. 22766 3" Grinding Wheel, 1/2" thick, 1/2" hole	.75
No. 22767 3" Cotton Buffing Wheel	.50

No. 22768 Stick of Polishing Compound	.25
Set of 13 High-Speed Drill Bits, 1/16" to 3/4" (Not Sold Separately)	
Steel Carrying Case (Not Sold Separately)	
Net Weight of Kit	10 1/4 lbs.
Shipping Weight	12 lbs.
No. 4CLJK Kit, contents as above, list price complete	\$43.50
No. 4CLK Kit, with same contents as above with 1/4" Thor Copper Line Drill equipped with keyless chuck instead of 3-jaw geared chuck, list price complete	\$41.00



**POLISHING COMPOUND**  
Brings dullest surface to bright sheen.



**4" WIRE BRUSH**  
For cleaning off rust, scale, dirt, grease.



**3" BUFFING WHEEL**  
For polishing, cleaning, buffing.



**3" GRINDING WHEEL**  
For sharpening tools, knives, shaping metal.

### 1/4" COPPER Line DRILL

Precision die-cast aluminum alloy housings assure permanent alignment of moving parts for longer trouble-free service. Hardened alloy steel precision gears, extra large precision ground journals for longer endurance and true running. Self-lubricating oilite bearings and spindle thrust ball bearing.

#### 1/4" DRILL SPECIFICATIONS

Catalog No.	4CLJ	4CL
Chuck	Geared	Keyless
Capacity in Steel	1/4"	1/4"
Overall Length	7 1/8"	8 1/2"
Net Weight	2 3/4 lbs.	2 3/4 lbs.
Shipping Weight	4 lbs.	4 lbs.
Free Speed	2000 R. P. M.	2000 R. P. M.
Price	\$22.95	\$19.95

**EQUIPMENT** — On-off trigger type plunger switch, with locking pin for continuous operation. Rubber-covered 3-conductor cable with 2-prong plug and grounding connector. Equipped for ready mounting in horizontal or vertical drill stand.



## \$22.95

Keyless Chuck \$19.95



# Thor

## Silver Line

# HEAVY DUTY DRILLS

**1/4" DRILL \$55.00**

**5/16" DRILL \$57.50**

**3/8" DRILL \$64.50**



Side Handle



Grip Handle

### SPECIFICATIONS

Code No.	EJ0	EJ1	EJ2
Capacity	1/4"	5/16"	3/8"
Speed R.P.M.	2000	1500	1000
Handle	Grip	Grip	Grip
Weight	6 1/2 lbs.	6 3/4 lbs.	7 3/4 lbs.
Shipping Weight	8 1/4 lbs.	8 1/2 lbs.	9 lbs.
Overall Length	12 1/2"	12 1/2"	12 3/4"
PRICE	\$55.00	\$57.50	\$64.50

### ADDITIONAL 5/16" MODELS

Code	R.P.M.	Handle	Price
EJ6	1000	Grip	\$60.50
	1500	Side	\$7.50

### ADDITIONAL 3/8" MODELS

EJ3	750	Grip	\$64.50
EJ7	1000	Side	\$64.50
EJ8	750	Side	\$64.50

\*Specify "Code EJ2 with 1/4" chuck."

These tools are production tools—designed with power to spare for heavy duty use at rated capacity. All ball bearings; heat treated gears assure long, trouble-free service.

EQUIPPED with 3-jaw chuck and key; momentary trigger switch and locking pin; seven feet of 3-conductor rubber cable with 2-prong plug and ground connector.



**\$42.00**

## COPPER Line 1/2" DRILL

Low in price . . . built by Thor to quality specifications for long service in the home workshop and for other standard duty intermittent service. Drills holes up to 1/2" in steel, 1" in wood, drives hole saws, wire brushes, grinding wheels, etc. Can be used in drill stand as drill press. Die-cast aluminum housings, self-lubricated bearings. Equipped with 3-jaw chuck and key; seven feet of 3-conductor cable with 2-prong plug and ground connector.

Code	C8
Capacity	1/2"
Speed	420 R.P.M.
Weight	9 1/2 lbs.
Shipping Weight	12 1/2 lbs.
Length	14 1/2"
PRICE	\$42.00



# Thor

## Silver Line HEAVY DUTY 1/2" DRILL

- 1 MOTOR SO POWERFUL, gearing so strong that mining companies use this tool with carbide bits to drill 1/4" holes in solid rock! Abundant stall proof power for any other job you can name!
- 2 THREE-JAW GEARED CHUCK and key.

**\$64.50**

The Silver Line 1/2" Drill handles like a one-hand quarter-inch tool—delivers the power of a proved heavy duty 1/2" drill. On production work it makes holes faster because it won't stall under the heaviest pressure. Maintenance men find it's an easy tool to carry . . . small size speeds the close-quarter jobs. Automotive men use it to push through body and frame steel in seconds! Drives hole saws, wire brushes, etc. Drill stand available (page 11) to make this tool do double duty service as a drill press!

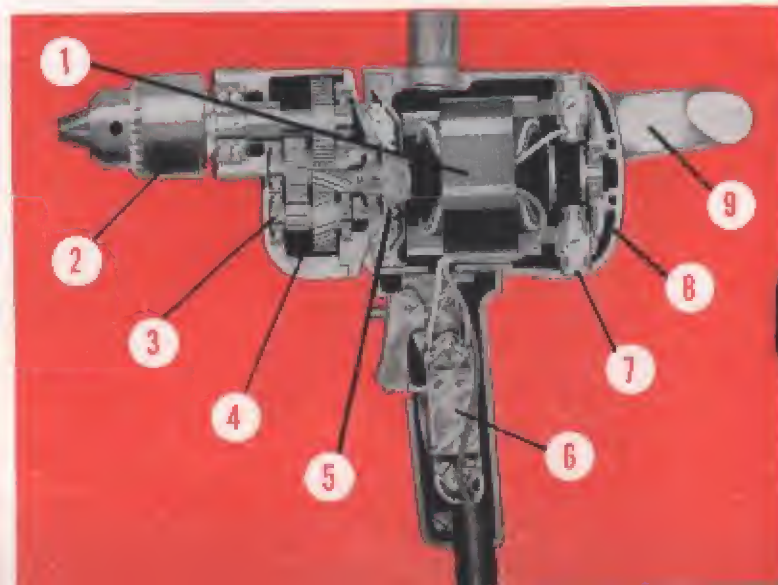
- 3 FULL BEARING CONSTRUCTION—8 oversize, precision ball bearings.
- 4 SCIENTIFIC LUBRICATION for minimum maintenance.
- 5 LARGE VENTILATING SLOTS, cast aluminum baffle and centrifugal fan assure cool running motor, cool handling tool, exceptionally quiet operation.
- 6 SEALED SWITCH with momentary trigger and locking pin.
- 7 CARTRIDGE TYPE carbon brushes, externally accessible.
- 8 DIE-CAST HOUSINGS, center plate, bridged armature support keep moving parts in permanent alignment for endless service.
- 9 SPADE AND SIDE HANDLES easily removed for quick inspection and service of brushes, commutator, switch.

### SPECIFICATIONS

Code.....	EJ9
Capacity.....	1/2"
Speed.....	500 R.P.M.
Weight.....	8 lbs.
Shipping Weight.....	10 lbs.
Overall Length.....	12 1/4"

PRICE ..... \$64.50

EQUIPPED with 3-jaw chuck and key; spade handle; side handle with momentary trigger switch and locking pin; removable dead handle; seven feet of 3-conductor cable with 2-prong plug and ground connector.





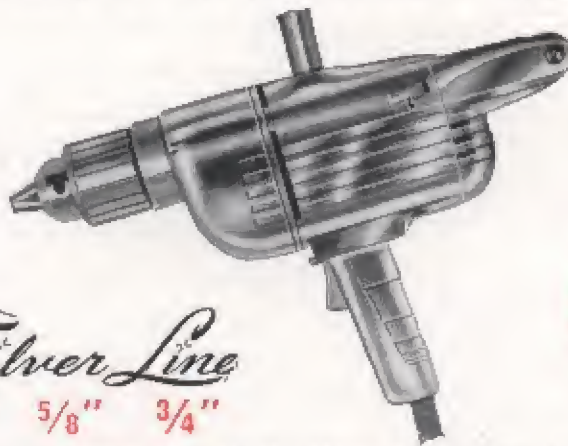
# LARGE CAPACITY DRILLS

These tools are ruggedly built for heavy duty service in truck, bus and railroad shops, ship yards and other large equipment manufacturing and maintenance plants. Heavy section aluminum housings, alloy steel gears, reserve-power motors, all ball bearing construction.

*Thor*

*Silver Line*

1/2" 5/8" 3/4"



FEED SCREW ASSEMBLY \$10.00 extra on all EL and UF drills.

## EXTRA HEAVY DUTY

1/2"

Code.....	EL5
Capacity.....	1/2"
R.P.M.....	525*
Weight.....	15 lbs.
Shipping Wt.....	25 lbs.
Length Overall.....	14 1/4"
Spindle Offset.....	1 1/4"
PRICE.....	\$84.00

EQUIPPED with 3-jaw chuck and key; side switch handle with locking pin, spade handle and removable dead handle; seven feet of 3-conductor cable with 2-prong plug and ground connector. Optional: No. 1 or No. 2 Morse Taper Socket in place of chuck. EXTRA: No. 80450 Feed Screw assembly complete, \$10.00 extra.

\*Available at 750 R.P.M., \$5.00 extra. (Specify Code EL4)

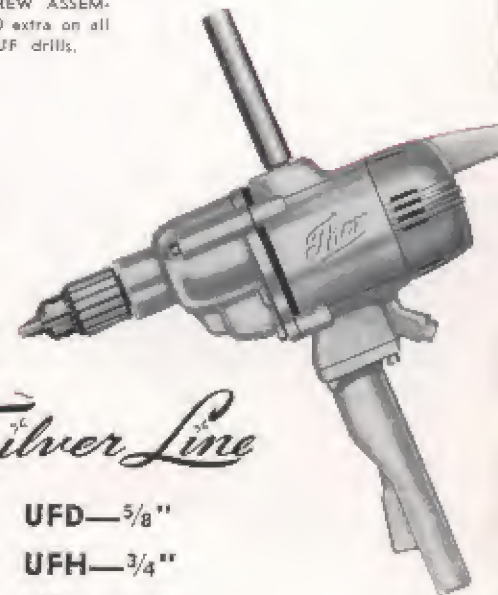
*Silver Line*

UFD—5/8"

UFH—3/4"

UFS—7/8"

UFZ—1"



## HEAVY DUTY

5/8"

Code.....	EL6
Capacity.....	5/8"
Speed.....	425 R.P.M.
Weight.....	15 1/4 lbs.
Shipping Weight.....	25 lbs.
Length Overall.....	14 1/4"
Spindle Offset.....	1 1/4"
PRICE.....	\$85.00

EQUIPPED with 3-jaw chuck and key; side switch handle with locking pin, spade handle and removable dead handle; seven feet of 3-conductor cable with 2-prong plug and ground connector. Optional: No. 2 Morse Taper socket in place of chuck. EXTRA: No. 80450 Feed Screw assembly complete, \$10.00 extra.

## EXTRA HEAVY DUTY

Code.....	UFD
Capacity.....	5/8"
Speed.....	430 R.P.M.
Weight.....	24 3/4 lbs.
Shipping Weight.....	35 lbs.
Length Overall.....	17"
Spindle Offset.....	2 1/4"
PRICE.....	\$105.00

EQUIPPED with 3-jaw chuck and key; safety switch handle, spade handle and removable dead handle; seven feet of 3-conductor cable with 2-prong plug and ground connector. Optional: No. 2 Morse Taper socket in place of chuck. EXTRA: No. 81873 Feed Screw assembly complete, \$10.00 extra.

## STANDARD DUTY

3/4"

Code.....	EL7
Capacity.....	3/4"
Speed.....	350 R.P.M.
Weight.....	15 1/2 lbs.
Shipping Weight.....	25 lbs.
Length Overall.....	14 1/2"
Spindle Offset.....	1 1/4"
PRICE.....	\$88.00

EQUIPPED with 3-jaw chuck and key; side switch handle with locking pin, spade handle and removable dead handle; seven feet of 3-conductor cable with 2-prong plug and ground connector. Optional: No. 2 or No. 3 Morse Taper socket in place of chuck. EXTRA: No. 80450 Feed Screw assembly, \$10.00 extra.

## EXTRA HEAVY DUTY

Code.....	UFH
Capacity.....	3/4"
Speed.....	350 R.P.M.
Weight.....	25 3/4 lbs.
Shipping Weight.....	35 lbs.
Length Overall.....	17 3/4"
Spindle Offset.....	2 1/4"
PRICE.....	\$115.00

EQUIPPED with 3-jaw chuck and key; safety switch handle, spade handle and removable dead handle; seven feet of 3-conductor cable with 2-prong plug and ground connector. Optional: No. 2 or No. 3 Morse Taper socket in place of chuck. Extra: No. 81873 Feed Screw assembly complete, \$10.00 extra.

## HEAVY DUTY

7/8"

Code.....	UFS
Drilling Capacity.....	7/8"
Reaming Capacity.....	1"
Speed.....	350 R.P.M.
Weight.....	25 1/4 lbs.
Shipping Weight.....	35 lbs.
Length Overall.....	16 7/8"
Spindle Offset.....	2 1/2"
PRICE.....	\$120.00

EQUIPPED with No. 3 Internal Morse Taper; safety switch handle, spade handle and removable dead handle; seven feet of 3-conductor cable with 2-prong plug and ground connector. EXTRA: No. 81873 Feed Screw assembly complete, \$10.00 extra.

1"

## HEAVY DUTY

Code.....	UFA
Drilling Capacity.....	1"
Reaming Capacity.....	1 1/8"
Speed.....	300 R.P.M.
Weight.....	25 lbs.
Shipping Weight.....	35 lbs.
Length Overall.....	18 3/4"
Spindle Offset.....	2 1/2"
PRICE.....	\$132.00

EQUIPPED with No. 3 Internal Morse Taper; safety switch handle, spade handle and removable dead handle; seven feet of 3-conductor cable with 2-prong plug and ground connector. EXTRA: No. 81873 Feed Screw assembly complete, \$10.00 extra.

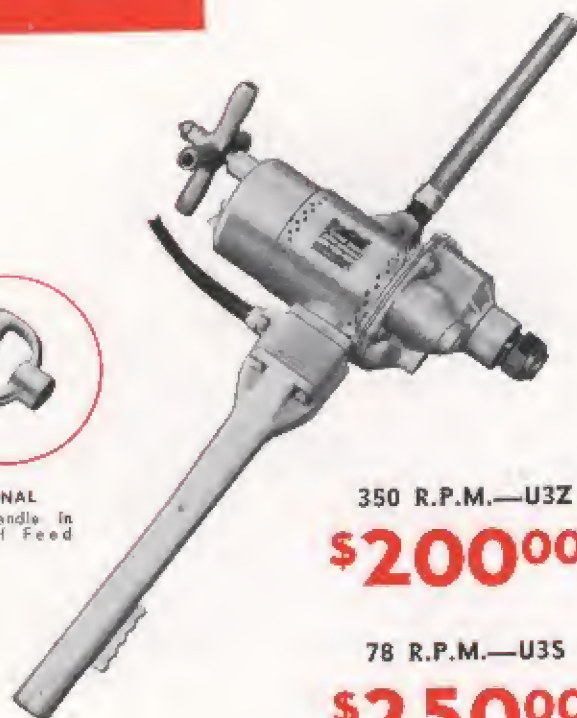


# Thor

## 1-1/4" DRILLS



OPTIONAL  
Spade Handle in  
place of Feed  
Screw.



350 R.P.M.—U3Z

**\$200<sup>00</sup>**

78 R.P.M.—U3S

**\$250<sup>00</sup>**

Tremendous power for drilling in steel up to 1 1/4" holes; for heavy duty reaming, non-reversible stud-setting, for use with earth-boring augers, etc.; 2 1/2 h.p. motor runs at 350 R.P.M. on U3Z, is geared down to 78 R.P.M. for high torque, slow speed heavy duty applications on U3S.

Code .....	U3Z	U3S
Drilling Capacity .....	1 1/4"	1 1/4"
Reaming Capacity .....	15/16"	H.D.
Speed R.P.M. ....	350	78
Weight .....	49 1/2 lbs.	93 lbs.
Shipping Weight .....	71 lbs.	115 lbs.
Length Overall .....	19 7/8"	27 1/4"
Spindle Offset .....	2 3/4"	4 1/8"
PRICE .....	\$200.00	\$250.00

EQUIPPED with No. 3 Internal Morse Taper Socket, safety switch handle, dead handle, feed screw, 7 feet of 3-conductor cable with ground connector. Optional: 1 1/4" square hole chuck, spade handle instead of feed screw. Extra-charge equipment: No. 3 Internal Morse Taper Use-Em-Up Socket.

## COAL DRILLS

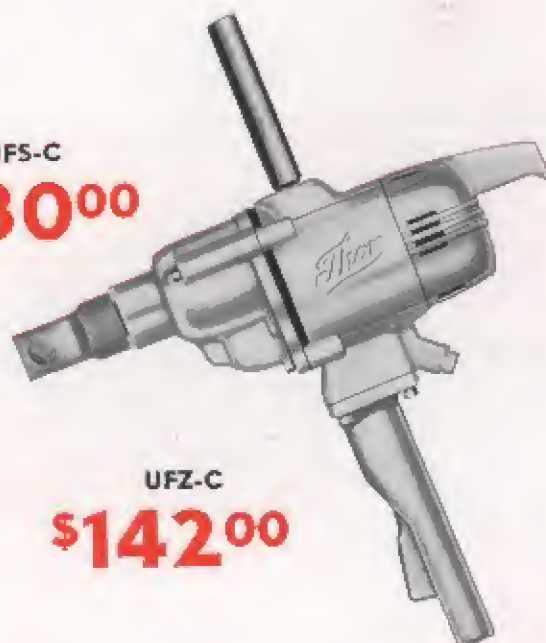
Abundant power for blast hole drilling in coal. Heavy duty motor and gearing, ball bearing construction, reinforced aluminum housings make this a sturdy tool for long service under rugged conditions. Safety switch shuts off current instantly upon release.

Code .....	UFS-C	UFZ-C
Speed .....	350 R.P.M.	300 R.P.M.
Weight .....	25 1/4 lbs.	26 1/4 lbs.
Shipping Weight .....	39 lbs.	40 lbs.
Length Overall .....	18 7/8"	19 1/8"
PRICE .....	\$130.00	\$142.00

EQUIPMENT includes flat taper coal-auger chuck, safety switch handle, spade handle and removable dead handle; seven feet of 3-conductor cable with 2-prong plug and ground connector.

MOTOR TYPES: Tools are furnished standard with AC/DC Universal Motor, 115 or 220 volts as specified. Can be furnished for constant 250 volt D.C. operation, complete as specified above, \$7.50 extra.

UFS-C  
**\$130<sup>00</sup>**



UFZ-C  
**\$142<sup>00</sup>**

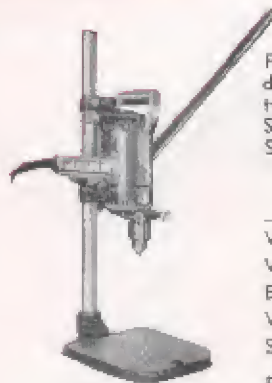
All tools equipped with AC DC Universal Motors — Standard Voltage: 115; also available in 220 and special voltages if specified.





# DRILL STANDS

Convert Portable Electric Drills to stationary use as Drill Press, for added leverage and accuracy.



## No. 8 Drill Stand, Bench Type

For small drills up to 1/2" capacity. Available in three drill clamp models for (1) pistol grip drills; (2) end-grip type drills; or (3) side handle drills. WHEN ORDERING SPECIFY CODE NUMBER OF DRILL WITH WHICH STAND WILL BE USED.

	Drill Clamp Style		
	(1)	(2)	(3)
Vertical Movement	3"	3"	3"
Vertical Adjustment	11 1/2"	12"	12 1/2"
Bench Space	8 5/16" x 13"	8 5/16" x 13"	8 5/16" x 13"
Weight, Pounds	29	30	32
Shipping Wt., Lbs.	47	47	47
PRICE	\$28.50	\$28.50	\$28.50



## No. 26 Drill Stand, Bench Type

For large drills, 1/2" to 1" capacity. When ordering, specify code number of drill with which stand will be used.

Vertical Movement	5"
Vertical Adjustment	14"
Bench Space	15" x 9"
Weight, Pounds	50
Shipping Weight, Lbs.	60
PRICE	\$44.00



## No. 30 Drill Stand, Post Type

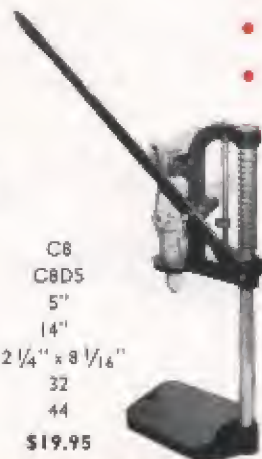
For large drills only, 1/2" to 1" capacity. Can be fastened to post or wall with lag screws or expansion bolts, requires no bench space. When ordering, specify code number of drill with which stand will be used.

Vertical Movement	5"
Vertical Adjustment	14"
Distance, Wall to Center of Drill	14 1/2"
Weight, Pounds	68
Shipping Weight, Lbs.	80
PRICE	\$49.50

## COPPER LINE Drill Stands

Low priced drill stands available in two sizes for 1/4" Copper Line Drill and 1/2" Copper Line Drill.

For Drill, Code No.	4CLJ	C8
Stand Code No.	4CLDS	C8DS
Vertical Movement	3"	5"
Vertical Adjustment	11 3/4"	14"
Bench Space	12 3/4" x 8 1/2"	12 1/4" x 8 1/16"
Weight, Lbs.	11 3/4	32
Shipping Weight, Lbs.	25	44
PRICE	\$12.95	\$19.95



## ELECTRIC DRILL

# ACCESSORIES

## CHUCKS



Chuck Size	Thread Size	Chuck No.	Price	Key No.	Price
3/16"	3/8" x 24	68252	\$ 5.50	25017	\$0.40
3/16" *	3/8" x 24	66929	5.50	25017	0.40
1/4"	3/8" x 24	25011	5.50	25017	0.40
1/4" *	3/8" x 24	20033	5.50	20034	0.40
5/16"	3/8" x 24	25076	6.00	25081	0.40
5/16" *	1/2" x 20	76655	6.00	25081	0.40
3/8"	3/8" x 24	70646	6.50	73902	0.40
3/8" *	1/2" x 20	25082	6.50	20039	0.50
3/8" *	5/8" x 16	20073	6.50	20039	0.50
1/2"	1/2" x 20	75724	7.50	20039	0.50
1/2" *	5/8" x 16	25245	7.50	20039	0.50
1/2" *	5/8" x 16	25252	8.00	20100	0.50
5/8"	5/8" x 16	25207	9.50	20100	0.50
5/8" *	5/8" x 16	70486	12.00	70489	0.95
3/4"	3/4" x 16	76340	12.00	70489	0.95

\*Heavy Duty

## MORSE TAPERS

### MORSE TAPER SHANK ADAPTORS



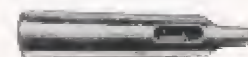
External M.T.	Male Thread	No.	Price
No. 2	5/8" x 16	70529	\$4.35
No. 3	5/8" x 16	70803	7.25

## MORSE TAPER SOCKETS



Internal M.T.	Female Thread	No.	Price
No. 1	3/8" x 24	70805	\$3.35
No. 1	1/2" x 20	67031	3.70
No. 1	5/8" x 16	59335	3.35
No. 2	1/2" x 20	69996	4.75
No. 2	5/8" x 16	59441	3.35
No. 2	3/4" x 16	76765	6.00
No. 3	5/8" x 16	75822	3.35
No. 3	3/4" x 16	76766	6.00

## MORSE TAPER SLEEVES



External M.T.	Internal M.T.	No.	Price
No. 2	No. 1	21798	\$ .85
No. 3	No. 2	22471	1.10



# Thor

# ELECTRIC DRILL ACCESSORIES

## HOLE SAWS



HOLE SAW ARBORS are furnished with  $\frac{1}{4}$ " or  $\frac{1}{2}$ " shank. See chart.  $\frac{1}{4}$ " Pilot Drill to fit any arbor listed, order No. 21086, Price, \$0.95

Diameter	HOLE SAWS		ARBORS			
	Catalog Number	Price	$\frac{1}{2}$ " Shank		$\frac{1}{4}$ " Shank	
			Arbor No.	Price	Arbor No.	Price
$\frac{3}{4}$ "	20935	\$1.20	20957	\$1.85	21085	\$1.20
$\frac{7}{8}$ "	20936	1.20	20957	1.85	21085	1.20
1"	20937	1.20	20957	1.85	21085	1.20
$1\frac{1}{8}$ "	20938	1.32	20957	1.85	21085	1.20
$1\frac{1}{4}$ "	20939	1.32	20957	1.85	21085	1.20
$1\frac{3}{8}$ "	20940	1.32	20957	1.85	21085	1.20
$1\frac{1}{2}$ "	20941	1.32	20957	1.85	21085	1.20
$1\frac{5}{8}$ "	20942	1.52	20958	1.85		
$1\frac{3}{4}$ "	20943	1.52	20958	1.85		
$1\frac{7}{8}$ "	20944	1.52	20958	1.85		
2"	20945	1.52	20958	1.85		
$2\frac{1}{8}$ "	20946	2.00	20958	1.85		
$2\frac{1}{4}$ "	20947	2.00	20958	1.85		
$2\frac{3}{8}$ "	20948	2.00	20958	1.85		
$2\frac{1}{2}$ "	20949	2.00	20958	1.85		
$2\frac{7}{8}$ "	20950	2.00	20958	1.85		
$2\frac{3}{4}$ "	20951	2.00	20958	1.85		
$2\frac{7}{8}$ "	20952	2.00	20958	1.85		
3"	20953	2.00	20958	1.85		
$3\frac{1}{8}$ "	20954	2.00	20958	1.85		
$3\frac{1}{4}$ "	20955	2.00	20958	1.85		
$3\frac{1}{2}$ "	20956	2.00	20958	1.85		

## SANDING AND POLISHING ATTACHMENTS



COMPLETE SANDING ATTACHMENT FOR  $\frac{1}{4}$ " DRILLS Includes arbor, rubber backing pad, and one each coarse, medium and fine sanding discs.

4" diameter, No. 22383, price, \$1.45  
5" diameter, No. 22384, price, \$1.70

COMPLETE POLISHING ATTACHMENT FOR  $\frac{1}{4}$ " DRILLS Includes arbor, rubber backing pad, felt cushion pad and draw string polishing bonnet.

4" diameter, No. 22385, price, \$2.50  
5" diameter, No. 22386, price, \$3.15

ADAPTOR ONLY FOR  $\frac{1}{2}$ " DRILLS— $\frac{1}{2}$ " diameter arbor with  $\frac{3}{8}$ " x 11 Male Thread and No. 59572 Nut, Complete assembly, No. 21919, price \$2.50. No. 59572 Nut, price \$0.70.



### POLISHING BONNETS

4", No. 21117 ..... \$1.00  
5", No. 21776 ..... 1.25

### FELT CUSHION PAD

4", No. 21777 ..... \$0.75  
5", No. 21778 ..... 0.90

### SANDING DISCS

$\frac{1}{2}$ " ARBOR HOLE

Closed Grain for Metal or Wood Sanding

Grade	4" Diameter		5" Diameter	
	Number	Price	Number	Price
24	20991	\$0.26	20984	\$0.27
36	20992	.25	20985	.21
60	20993	.22	20986	.24
120	20994	.21	20987	.22
180	20995	.21	20988	.22

Open Grain for Wood Sanding

	Number	Price	Number	Price
24	20996	.26	20989	.27
36	20997	.25	20990	.26

## WIRE BRUSHES



For Carbon Cleaning Brushes, see page 36, where listings are also carried on Valva Gulde Cleaners, brush and reamer type.

## MANDRELS



Your distributor can furnish  $\frac{1}{4}$ " and  $\frac{1}{2}$ " shank mandrels for use with small grinding wheels and polishing wheels, sanding discs, etc.

## MOUNTED ABRASIVES



Thor mounted abrasive wheels and points in various shapes and sizes are available through your distributor. Ask for special catalog sheet.

## ROTARY FILES



Thor Rotary Files mounted on  $\frac{1}{4}$ " shanks are available through your distributor. Ask for special catalog sheet.

## HOLE SPOTTER



For drills with  $1\frac{1}{8}$ " plain spindle hub. Specify drill bushing size required. Catalog No. 71259, price \$11.90.

## ALL ANGLE ATTACHMENT



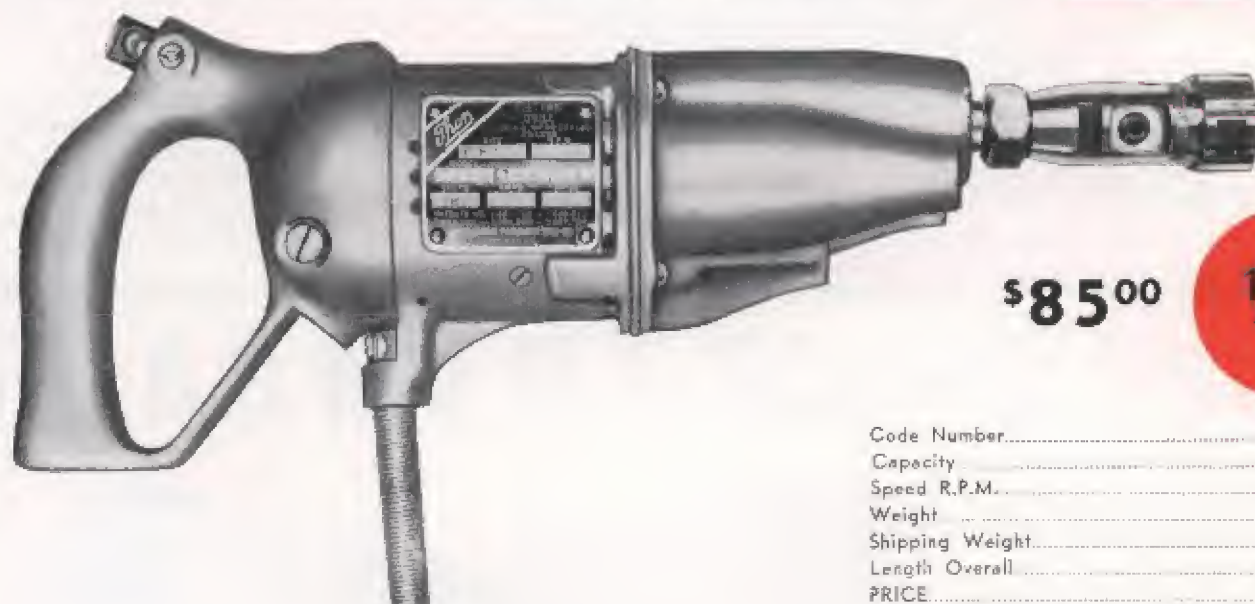
For drills with  $1\frac{1}{8}$ " x 20 or  $1\frac{1}{4}$ " x 20 LH USS threaded hub. Permits drilling any angle through 360°. Catalog No. 75538, price \$53.45.



# TAPPERS WITH MECHANICAL REVERSE

*Thor*

Special purpose machines designed with correct power and speed to produce perfect threads. Heavy-duty ball-bearing construction for long-lasting dependability.

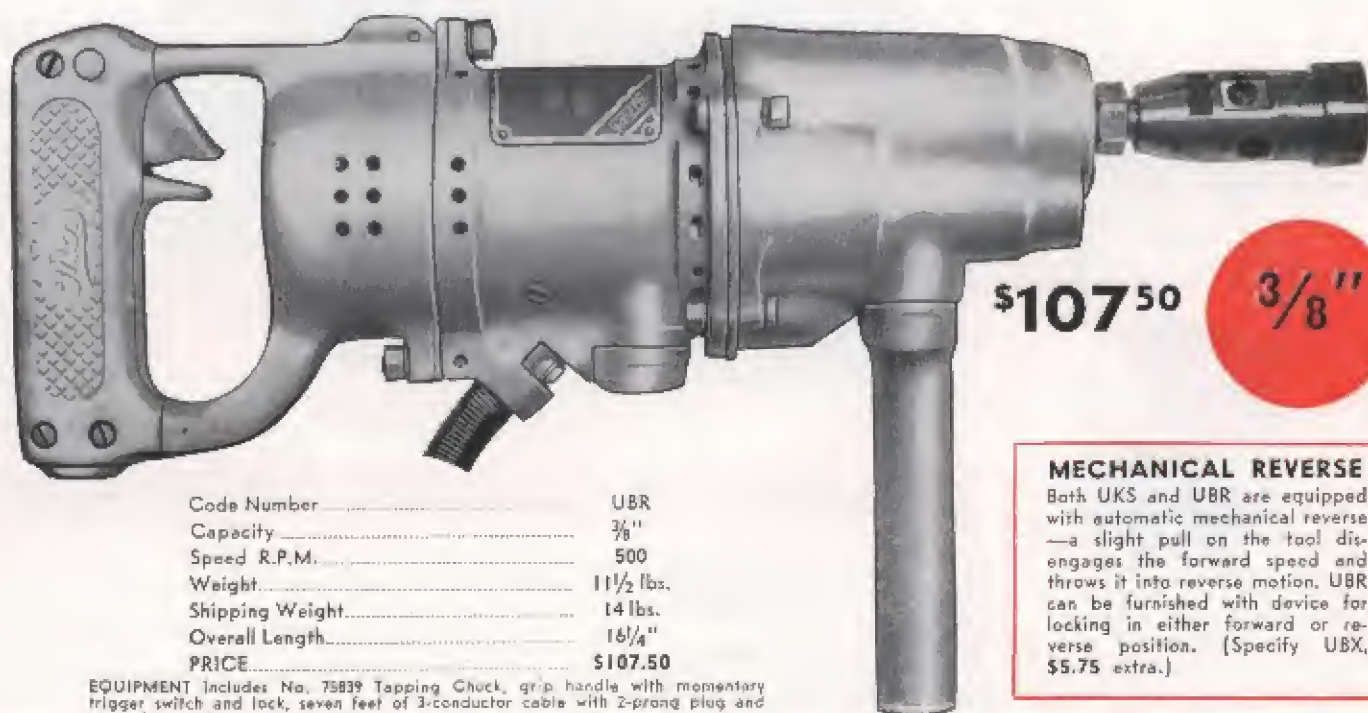


**\$85.00**

**1/4"**

Code Number.....	UKS
Capacity.....	1/4"
Speed R.P.M.....	460
Weight.....	8 1/4 lbs.
Shipping Weight.....	11 lbs.
Length Overall.....	14 3/4"
PRICE.....	\$85.00

EQUIPMENT includes No. 75282 Tapping Chuck, grip handle with momentary plunger switch and lock, seven feet of 3-conductor cable with 2-prong plug and ground connector.



**\$107.50**

**3/8"**

Code Number.....	UBR
Capacity.....	3/8"
Speed R.P.M.....	500
Weight.....	11 1/2 lbs.
Shipping Weight.....	14 lbs.
Overall Length.....	16 1/4"
PRICE.....	\$107.50

EQUIPMENT includes No. 75839 Tapping Chuck, grip handle with momentary trigger switch and lock, seven feet of 3-conductor cable with 2-prong plug and ground connector.

## MECHANICAL REVERSE

Both UKS and UBR are equipped with automatic mechanical reverse—a slight pull on the tool disengages the forward speed and throws it into reverse motion. UBR can be furnished with device for locking in either forward or reverse position. (Specify UBX, \$5.75 extra.)

## TAPPING CHUCKS



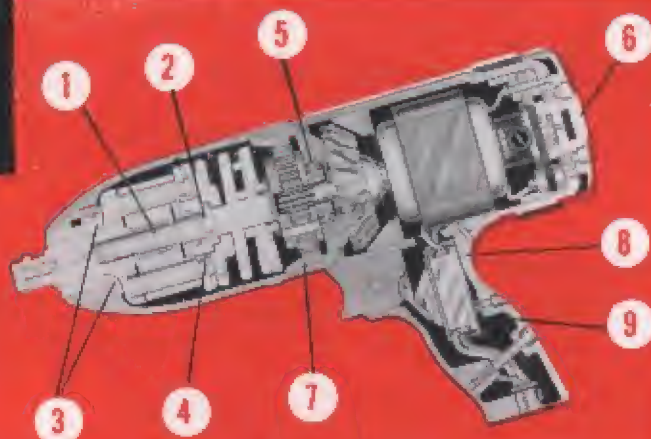
For Tapper No.....	UKS	UKS	UBR
Capacity.....	0 to 1/4"	#10 to 5/16"	#10 to 1/2"
Number.....	75282	75838	75839
PRICE.....	\$9.50	\$10.50	\$12.00

Chucks come equipped with necessary wrenches.

All tools equipped with AC DC Universal Motors—Standard Voltage: 115; also available in 220 and special voltages if specified.



# Thor



- 1 Thor impact mechanism hits harder — fewer moving parts, minimum lifting action applies fullest motor power to actual striking operation.
- 2 Full ball seat contact on cam assures longer life.

## Silver Line

# IMPACT

Thor Electric Impact Wrenches take every job in stride. They deliver two hard rotary wallops for every spindle revolution when the going is tough—they run as free as an electric drill in lighter applications. Unique Thor impact principle banishes torque reaction. Motor runs continuously—even when spindle is stopped—cannot stall or burn out when used on oversize bolts.

EW6 EQUIPMENT Includes 1/2" square drive spindle, reversing ring, pistol grip handle with momentary trigger switch and lock, 12 feet of 3-conductor cable with 2-prong plug and grounding connector.

### 3/8" IMPACT WRENCH KITS



#### EW6KC KIT

With Carrying Case (as illustrated)

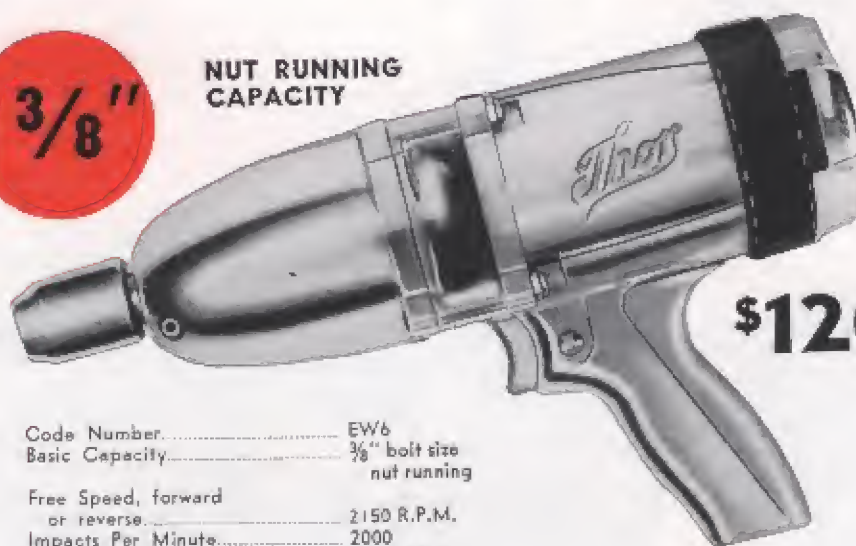
- 1 EW6 3/8" Impact Wrench
- 1 Steel Carrying Case
- 6 Hexagon Sockets: 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"
- Shipping Weight ..... 18 lbs.
- Price, EW6KC ..... \$135.45
- Steel Carrying Case Only
- No. 22252 ..... \$12.00

#### EW6K KIT

- 1 EW6 3/8" Impact Wrench
- 1 No. 76387 Collet Chuck and Wrenches
- 1 No. 21797 No. 2 M.T. Socket
- 1 No. 21798 M.T. Reducer Sleeve
- 6 Hexagon Sockets: 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"
- 1 No. 78142 Metal Accessory Box
- 1 No. 22805 Drift Pin
- Shipping Wt. .... 11 lbs.
- Price, EW6K ..... \$139.25

## 3/8"

NUT RUNNING CAPACITY



## \$120.00

Code Number.....	EW6
Basic Capacity.....	3/8" bolt size nut running
Free Speed, forward or reverse.....	2150 R.P.M.
Impacts Per Minute.....	2000
Weight.....	6 lbs., 14 oz.
Shipping Weight.....	8 1/2 lbs.
Overall Length.....	10"
Spindle Drive.....	1/2"
Spindle Offset.....	1 7/16"
PRICE.....	\$120.00

### 3/8" ACCESSORIES



#### COLLET TYPE CHUCK

No. 76387, square drive, capacity 1/8" to 3/8" round shanks and No. 10 to 1/2" square end taps and reamers. Price, \$12.55

No. 22476, 1/2" COLLET for No. 76387 Chuck, capacity 1/8" to 3/8" round shanks and No. 10 to 1/2" square end taps and reamers. Price, \$3.30

#### MORSE TAPERS

No. 2 M.T. SOCKET, 1/2" square drive, No. 21797, price, \$2.20.

No. 2 External to No. 1 Internal M.T. REDUCER SLEEVE, No. 21798, price, \$0.85.

#### SCREWDRIVING CHUCK



No. 73466, 1/2" square drive Quick Change Chuck for 1/8" hexagon shank screwdriver bits. Price, \$8.40.

SEE PAGE 19 FOR 7/16" SCREWDRIVER BITS AND FINDERS.

### 1/2" SQUARE DRIVE HEXAGON SOCKETS

Nut Size	Standard Length, Single Broached		Deep Length, Single Broached	
	Number	Price	Number	Price
3/8"	20374	\$0.75	20388	\$1.25
7/16"	20375	.75	20389	1.25
15/32"	20376	.75	20390	1.25
1/2"	20377	.75	20391	1.25
17/32"	20378	.75		
9/16"	20379	.75	20393	1.25
19/32"	20380	.75	20394	1.25
5/8"	20381	.75	20395	1.25
11/16"	20382	.75	20396	1.25
3/4"	20383	.75	20397	1.30
13/16"	20384	.85	20398	1.35
7/8"	20385	.90	20399	1.45
15/16"	20386	1.00	20400	1.60
1"	20387	1.00	20401	1.60





# Thor

Drive and Remove Screws

Drill in Steel, Wood and Masonry

Tap, Drive Hole Saws, etc.

- 3 Impact jaws, widely separated, strike **HARDER** blows, two for each spindle revolution.
- 4 Jaws rotate to present new striking surface for each blow.

- 5 Large ball bearing and pin bearing construction throughout.
- 6 Strong protecting bridge and cap behind reversing ring.
- 7 Rugged construction, overlapping joints and through-bolts be-

tween casings for long-lasting strength.

- 8 Heavy section aluminum alloy die castings throughout.
- 9 Balanced for one-hand operation.

## WRENCHES REVERSIBLE

**5/8"**

**CAPACITY  
NUT RUNNING**



**\$180<sup>00</sup>**

Same type rugged impact mechanism as famous Thor "Packy" (EW6) Electric Impact Wrench, with extra heavy duty motor, detachable dead handle for added convenience.

EW10 EQUIPMENT includes 5/8" square drive spindle, reversing ring, pistol grip handle with momentary trigger switch and lock, detachable dead handle, 12 feet of 3-conductor cable with 2-prong plug and ground connector.



EW10 with  
Optional  
Dead Handle

**5/8" IMPACT  
WRENCH KITS**



**EW10KC KIT**  
With carrying case  
(as illustrated)

- 1 EW10 5/8" Impact Wrench
- 1 Steel Carrying Case
- 4 Hexagon Sockets: 1/2", 3/4", 1", 1 1/4"
- Shipping Weight ..... 23 lbs.
- Price, EW10KC ..... \$198.20
- Steel Carrying Case Only  
No. 80852 ..... \$14.00

### EW10K KIT

- 1 EW10 5/8" Impact Wrench
- 1 No. 22473 Collet Type Chuck with extra 1/2" Collet
- 1 No. 22470 No. 3 M. T. Socket
- 1 No. 22471 M.T. Reducer Sleeve
- 4 Hexagon Sockets: 1/2", 3/4", 1", 1 1/4"
- 1 No. 22472 Drift Pin
- 1 No. 22187 Socket Wrench Adaptor, 5/8" recess to 1/2" drive
- 1 No. 22188 Socket Wrench Adaptor, 1/2" recess to 3/4" drive
- No. 22537 Metal Accessory Box
- Shipping Weight ..... 17 lbs.
- Price, EW10K ..... \$208.40

Code Number.....	EW10
Basic Capacity.....	5/8" bolt size nut running
Free Speed, forward or reverse.....	2000
Impacts Per Minute.....	1850
Weight.....	12 1/4 lbs.
Shipping Weight.....	14 1/2
Overall Length.....	11 27/32"
Spindle Drive.....	5/8"
Spindle Offset.....	1 19/32"
PRICE.....	\$180.00

### 5/8" SQUARE DRIVE HEXAGON SOCKETS

Standard Length, Single Broached			Deep Length, Single Broached	
Nut Size	Number	Price	Number	Price
9/16"	20211	\$0.90	20230	\$1.60
5/8"	20212	.90	20231	1.60
21/32"	20213	.90		
11/16"	20214	.95	20233	1.60
23/32"	20215	.95		
3/4"	20216	.95	20235	1.60
25/32"	20217	.95		
13/16"	20218	.95	20237	1.60
7/8"	20219	1.05	20238	1.65
29/32"	20220	1.10		
15/16"	20221	1.10	20240	1.75
31/32"	20222	1.10		
1"	20223	1.15	20242	1.75
1 1/16"	20224	1.25	20243	1.75
1 1/8"	20225	1.35		
1 3/16"	20226	1.50	20245	1.85
1 1/4"	20227	1.65	20246	2.25
1 5/16"	20228	1.65	20247	2.25
1 3/8"	20229	1.95	20248	2.25

### 5/8" ACCESSORIES

#### COLLET TYPE CHUCK

No. 22473, 5/8" square drive, capacity 1/2" to 1/2" round shanks and 5/8" to 5/8" square end taps and reamers. Price \$13.20

No. 22476, 1/2" collet for No. 22473 Chuck, capacity 1/2" to 3/8" round shanks and 1/2" to 1/2" square end taps and reamers. Price \$3.30

No. 22610, 5/8" collet for No. 22473 Chuck, capacity 1/2" to 3/4" round shanks and 1/2" to 1/2" square end taps and reamers. Price \$3.30

#### MORSE TAPERS

No. 3 M.T. SOCKET, 5/8" square drive, No. 22470, price \$2.40.

No. 3 External to No. 2 Internal M.T. REDUCER SLEEVE, No. 22471, price, \$1.10.

#### SOCKET WRENCH ADAPTORS

5/8" Recess to 1/2" Drive, No. 22187, ... \$1.65

1/2" Recess to 3/4" Drive, No. 22188, ..... 1.65

#### SCREWDRIVING CHUCK

No. 73490 (For 1/2" Hexagon Shanks) Price, \$8.95.



# Thor

# SCREWDRIVERS

No. **8**

The UL-series Screwdrivers and Nut Setters, averaging 4 lbs. in weight, drive screws up to No. 8 and set nuts up to  $\frac{3}{16}$ " thread. Designed for use with suspension balancers described on page 18.

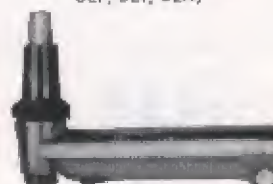


Bonnet Switch



No. 482—25° Angle Attachment

(\$16.50 extra on ULPW, ULTW, ULNW, ULP, ULT, ULN)



No. 481 Rt. Angle Screwdriver Attachment

(ULP-481, ULT-481, ULN-481)



No. 492 Rt. Angle Nut Setter Attachment

(ULP-492, ULT-492, ULN-492)

Code Number	Type Clutch	Attach. No.	Attach. Angle	Type Switch	R.P.M.	Price
ULTW	Dbl. Slip	461B	Straight	Lever	1000	\$77.00
ULPW	Dbl. Slip	461B	Straight	Lever	550	77.00
ULNW	Dbl. Slip	461B	Straight	Lever	1500	77.00
ULT	Dbl. Slip	461B	Straight	Bonnet	1000	71.50
ULP	Dbl. Slip	461B	Straight	Bonnet	550	71.50
ULN	Dbl. Slip	461B	Straight	Bonnet	1500	71.50

25° DOUBLE SLIP CLUTCH ATTACHMENT can be furnished with any of the above sizes, \$16.50 extra. (Attachment No. 482.) When ordering, specify ULP-482, etc.

ULP-481	Dbl. Slip	481	Rt. Angle	Bonnet	440	\$108.00
ULT-481	Dbl. Slip	481	Rt. Angle	Bonnet	800	108.00
ULN-481	Dbl. Slip	481	Rt. Angle	Bonnet	1200	108.00

EQUIPMENT: Above tools can be equipped either as screwdrivers or nut setters with optional selection of either one flinder and one  $\frac{1}{4}$ " hexagon shank screwdriver bit; or one standard length socket wrench shank,  $\frac{1}{4}$ ",  $\frac{9}{32}$ " or  $\frac{3}{8}$ " square drive and one standard socket. Models below are equipped as nut setter only with  $\frac{1}{4}$ ",  $\frac{9}{32}$ " or  $\frac{3}{8}$ " square drive and one standard socket. All sizes equipped with seven feet of 3-conductor cable with 2-prong plug and ground connector. Reversing switch in cable, \$7.50 extra.

ULP-492	Dbl. Slip	492	Rt. Angle	Bonnet	440	\$100.00
ULT-492	Dbl. Slip	492	Rt. Angle	Bonnet	800	100.00
ULN-492	Dbl. Slip	492	Rt. Angle	Bonnet	1200	100.00

No. 8 Lever Type  
(ULPW, ULTW, ULNW)

No. 8 Bonnet Type  
(ULP, ULT, ULN)

Weight.....  $4\frac{1}{4}$  lbs.  
Shipping Wt..... 7 lbs.  
Length.....  $13\frac{3}{4}$ "

$3\frac{3}{4}$  lbs.  
7 lbs.  
 $12\frac{3}{4}$ "

LEVER SWITCH

No. **12**

## Silver Line

The ED-series Silver Line Pistol Grip Screwdrivers and Nut Setters, ranging in weight from 3 to  $4\frac{1}{8}$  pounds, drive screws up to No. 12 and set nuts up to  $\frac{1}{4}$ " thread.



No. 509—25° Angle Attachment

(ED46, ED47, ED48)



No. 447 Rt. Angle Screwdriver Attachment

(ED41 and ED42)



No. 511 Rt. Angle Nut Setter Attachment

(ED51 and ED52)

Code Number	Type Clutch	Attach. No.	Attach. Angle	Type Switch	R.P.M.	Wt. Lbs.	Length	Price
ED17	Positive	515	Straight	Pistol	800	3	$9\frac{1}{2}$ "	\$61.00
ED16	Positive	515	Straight	Pistol	1100	3	$9\frac{1}{2}$ "	61.00
ED18	Positive	515	Straight	Pistol	500	3	$9\frac{1}{2}$ "	61.00
ED12	Dbl. Slip	445	Straight	Pistol	800	3	$9\frac{1}{2}$ "	75.00
ED11	Dbl. Slip	445	Straight	Pistol	1100	3	$9\frac{1}{2}$ "	75.00
ED13	Dbl. Slip	445	Straight	Pistol	500	3	$9\frac{1}{2}$ "	75.00
ED47	Dbl. Slip	509	25°	Pistol	800	$3\frac{1}{2}$	$11\frac{1}{4}$ "	97.00
ED46	Dbl. Slip	509	25°	Pistol	1100	$3\frac{1}{2}$	$11\frac{1}{4}$ "	97.00
ED48	Dbl. Slip	509	25°	Pistol	500	$3\frac{1}{2}$	$11\frac{1}{4}$ "	97.00
ED41	Dbl. Slip	447	Rt. Angle	Pistol	880	$4\frac{1}{8}$	$10\frac{7}{8}$ "	120.00
ED42	Dbl. Slip	447	Rt. Angle	Pistol	660	$4\frac{1}{8}$	$10\frac{7}{8}$ "	120.00
ED51	Kickout	511	Rt. Angle	Pistol	880	$3\frac{3}{4}$	$10\frac{3}{4}$ "	110.00
ED52	Kickout	511	Rt. Angle	Pistol	660	$3\frac{3}{4}$	$10\frac{3}{4}$ "	110.00

EQUIPMENT—ED51 and ED52 are nut setters only, with  $\frac{1}{4}$ ",  $\frac{9}{32}$ " or  $\frac{3}{8}$ " square drive and one standard socket. All other tools in ED-series can be equipped either as screwdrivers or nut setters with optional selection of either one flinder and one  $\frac{1}{4}$ " hexagon shank screw-

driver bits; or one standard length socket wrench shank,  $\frac{1}{4}$ ",  $\frac{9}{32}$ " or  $\frac{3}{8}$ " square drive, and one standard socket. All sizes equipped with seven feet of 3-conductor cable with 2-prong plug and ground connector. Reversing switch in cable, \$7.50 extra.

All tools equipped with AC DC Universal Motors—Standard Voltage: 115; also available in 220 and special voltages if specified.



# and NUTSETTERS

*Thor*

No. **14**

*Silver Line*

The F-series Screwdrivers and Nut Setters, averaging 4 $\frac{5}{8}$  lbs. in weight, drive screws up to No. 14 and set nuts up to  $\frac{5}{16}$ " thread.

Code Number	Type Clutch	Attach. No.	Attach. Angle	Type Switch	R.P.M.	Price
U22F	Dbl. Slip	466B	Straight	Pistol	500	\$ 85.00
U22F-P	Positive	490	Straight	Pistol	500	72.50
U22F-25	Dbl. Slip	487	25°	Pistol	500	107.50
U16F	Dbl. Slip	466B	Straight	Pistol	750	85.00
U16F-P	Positive	490	Straight	Pistol	750	72.50
U16F-25	Dbl. Slip	487	25°	Pistol	750	107.50
U18F	Dbl. Slip	466B	Straight	Pistol	1000	85.00
U18F-P	Positive	490	Straight	Pistol	1000	72.50
U18F-25	Dbl. Slip	487	25°	Pistol	1000	107.50
U18FF	Dbl. Slip	466B	Straight	Foot	1000	115.00*
U18FL	Dbl. Slip	466B	Straight	Lever	1000	85.00
U18FL-25	Dbl. Slip	487	25°	Lever	1000	107.50
U19F	Dbl. Slip	489A	Rt. Angle	Pistol	600	135.00
*U19F	Dbl. Slip	489A	Rt. Angle	Pistol	400	135.00
**U19F	Dbl. Slip	489A	Rt. Angle	Pistol	600	135.00
U19FN	Kickout	169R	Rt. Angle	Pistol	375	125.00
*U19FN	Kickout	169R	Rt. Angle	Pistol	250	125.00
**U19FN	Kickout	169R	Rt. Angle	Pistol	500	125.00

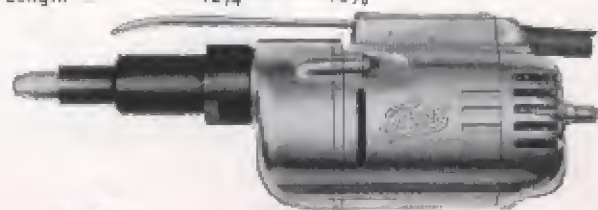
\*Optional speed—when ordering, specify speed.

EQUIPMENT—U19FN furnished as nut setter only, with  $\frac{3}{8}$ " or  $\frac{1}{2}$ " square drive and one standard socket. All other tools in F-series can be equipped either as screwdrivers or nut setters with optional selection of either one finder and one  $\frac{1}{4}$ " hexagon shank screwdriver bit; or one standard length socket wrench shank,  $\frac{3}{8}$ " or  $\frac{1}{2}$ " square drive, and one standard socket. All sizes equipped with seven feet of 3-conductor cable with 2-prong plug and ground connector. Reversing switch in cable, \$7.50 extra.



U16F, U18F, U22F

Pistol Grip      Lever  
Weight ..... 4 $\frac{3}{4}$  lbs.      4 $\frac{5}{8}$  lbs.  
Shipping Wt. .... 7 lbs.      7 lbs.  
Length ..... 12 $\frac{1}{4}$ "      10 $\frac{3}{4}$ "



U18FL

(Also supplied with 25° angle attachment.)

\*U18FF suspension type, less lever switch handle, for use with foot switch below providing forward and reverse operation.



No. 437—25° Angle Attachment

(U16F-25, U18F-25, U22F-25, U18FL-25)



No. 489A Rt. Angle Attachment SCREWDRIVER (U19F)



No. 169R Rt. Angle Attachment NUTSETTER (U19FN)



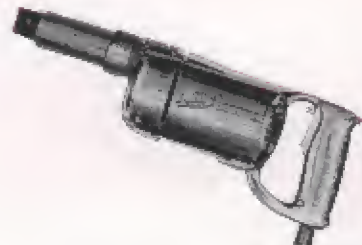
\*No. 7615B FOOT SWITCH [For use with U18FF Driver]



EJ—Side Switch Handle

No. **18**

*Silver Line*



EJ—Grip Switch Handle

Code Number	Screw Capacity	Nut	Type Clutch	Attach. No.	Type Handle	Speed R.P.M.	Weight Lbs.	Shipping Weight	Length	Price
EJ18	No. 18	$\frac{3}{8}$ "	Positive	448	Side	500	8 $\frac{1}{4}$	9 $\frac{1}{4}$	12 $\frac{1}{2}$ "	\$ 90.00
EJ23	No. 18	$\frac{3}{8}$ "	Kickout	447	Grip	500	8	9	15 $\frac{1}{2}$ "	110.00
EJ12	No. 18	$\frac{1}{4}$ "	Positive	448	Grip	750	7 $\frac{3}{4}$	8 $\frac{3}{4}$	13 $\frac{3}{4}$ "	85.00
EJ22	No. 18	$\frac{1}{4}$ "	Kickout	449	Grip	750	8	9	15 $\frac{1}{2}$ "	108.00
EJ27	No. 18	$\frac{1}{2}$ "	Kickout	449	Side	750	8 $\frac{5}{8}$	9 $\frac{5}{8}$	14 $\frac{3}{4}$ "	108.00

ALL SIZES EQUIPPED with one standard  $\frac{1}{2}$ " hexagon socket wrench shank with  $\frac{1}{2}$ " square drive and one standard socket or one  $\frac{1}{2}$ " hexagon shank screwdriver bit and finder assembly. (Both positive and kickout attachments use standard  $\frac{1}{2}$ " socket wrench shanks and bits); EJ18 and EJ27 equipped with side handle with momentary trigger switch and locking pin, spade

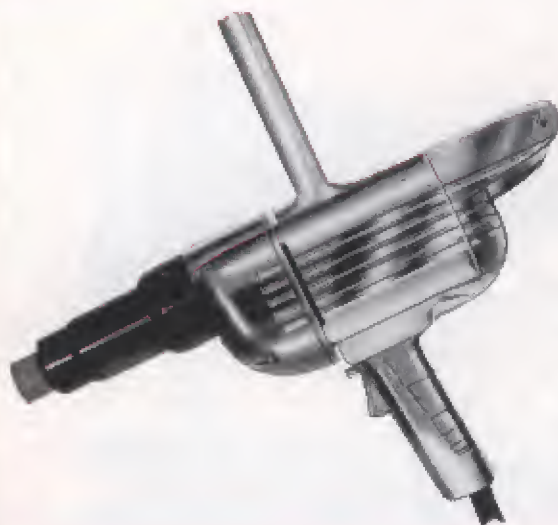
handle and dead handle; EJ23, EJ12 and EJ22 equipped with grip handle with momentary trigger switch and locking pin; seven feet of 3-conductor cable with 2-prong plug and ground connector. Reversing switch in cable, all sizes, \$10.00 extra.



# Thor

## SCREWDRIVERS and NUT SETTERS

**1/2"**



Code Number.....	EL23	EL28	EL24	EL29
Capacity:				
Screw.....	No. 24*	No. 24*	No. 24*	No. 24*
Nut (thread size).....	1/2"	1/2"	1/2"	1/2"
Weight, Lbs.....	15	14 3/4	15	14 3/4
Shipping Weight, Lbs.....	18	17 3/4	18	17 3/4
Length.....	15 1/4"	14 3/4"	15 1/4"	14 3/4"
Type Attachment.....	Kickout	Positive	Kickout	Positive
Attachment.....	455	454	455	454
Speed R.P.M.....	525	525	350	350
PRICE.....	\$160.00	\$143.00	\$160.00	\$143.00

\*And up to 3/8" Lag Screws.

ALL SIZES EQUIPPED with one No. 20519 1/4" hexagon socket wrench shank with 1/2" square drive, or one standard size 1/2" hexagon shank screwdriver bit and finder assembly, as specified. (Both positive and kickout attachments use standard

1/4" socket wrench shanks and bits); side handle with momentary trigger switch and locking pin, spade handle, dead handle, seven feet of 3-conductor cable with 2-prong plug and ground connector, Reversing switch, all sizes, \$10.00 extra.

## BALANCERS FOR TOOL SUSPENSION

Thor Safety Balancers offer the safest and most convenient method of suspending screwdrivers and other tools over the work within easy reach for frequent or rapid use, particularly on assembly line operations. A slight pull brings the tool down . . . upon release it rises out of the way. Thor Balancers are available in the sizes listed below. Larger capacities, prices on application.

SIZE	OX	10B	100X	20B	30B
Capacity, lbs.					
Maximum.....	10	10	20	20	30
Minimum.....	3	5	10	10	20
Range of Travel in Feet.....	5	5	5	6	6
Distance Hook to Hook Standard*.....	19"	35"	35"	54"	54"
Minimum**.....	13"	16"	16"	17 1/2"	17 1/2"
Weight, lbs.....	13 1/2	16 3/4	16 3/4	44	44
PRICE.....	\$30.00	\$65.00	\$70.00	\$70.00	\$73.00

\*As shipped with standard length cable.

\*\*Obtainable by shortening cable.

## SCREWDRIVER AND NUT SETTER CLUTCH ATTACHMENTS



**POSITIVE CLUTCH  
ATTACHMENT**

A positive clutch attachment is equipped with two clutch jaws that are manually engaged by pressure applied by the operator. When pressure is released the clutch disengages, stopping the rotary motion of the bit. At the instant of tightening screw or nut the operator and the tool absorb the slight impact. Positive clutch attachments have a limited range of work because the jaw faces have a set angle. The jaws are disengaged when pressure is released. Thus, the tightening of the screw or nut depends entirely upon the judgment of the operator.



**DOUBLE SLIP  
CLUTCH ATTACHMENT**

The double slip clutch attachment has two separate clutches, one a positive, manually-engaged type which in turn drives an adjustable, spring tension slip clutch. This attachment with its adjustable feature can be set to drive any size screw in the capacity range of the attachment to a predetermined, uniform tightness. Once set, it eliminates all guess-work and guarantees tension of every nut or screw driven with 100% uniformity . . . automatically "slipping" when the desired tension is reached. In addition, this type of clutch cushions the impact, relieving the operator of fatiguing jolts and reducing spoilage by eliminating breaking of studs and stripping of threads. It also adds considerably to the life of the machine and clutch jaws by absorbing stress and shock loads.



**KICK-OUT CLUTCH  
ATTACHMENT**

This attachment is similar in action to the double slip clutch. It operates on virtually the same principle, except that the clutch does not "slip" when the desired tension is reached, but automatically "kicks out," and a set of cams holds the spring tension clutch open for a full revolution of disengagement. This type is used on larger capacity machines and, like the slip clutch, it drives each screw or nut to exactly the same predetermined tension, is adjustable for driving to different tensions, and absorbs the shocks. The cam prolongs the life of the clutch jaws and lowers maintenance cost of the tool.



# SCREWDRIVER ACCESSORIES

**Thor**



Standard 1/4" Hex.  
Shank Bit



1/4" Hex.  
Finder



7/16" Hexagon  
Shank Bit



7/16" Hex. Shank Bit  
and Finder Assembly

**1/4"  
SHANK**

For use with all  
Thor Current No.  
8, No. 12 and No.  
14 S.D. and N.S.

Items below are uniformly priced as per figures at left

Items below are individually  
priced as per figures following  
each catalog number

	PRICE EACH	2F, 2R	3F, 3R	4F, 4R	5F, 5R, 6R	6F, 7R	7F, 8R	8F, 10R	PRICE EACH	10F, 12R	PRICE EACH	12F, 14R	PRICE EACH	14F, 16R	PRICE EACH
Standard Length Bit.....	\$0.69*	75280	75274	73194	73195	73196	22421	73197	\$0.69*	73198	\$0.69*	73199	\$0.85**	75356	\$0.85**
Standard Length Finder (Specify Screw Size)	2.00	25054	25054	25054	25054	25054	25054	25054	2.00	25054	2.00	25054	2.00	25054	2.00
1 7/8" Extension Bit.....	.90	77414	77415	77416	77417	77417		77418	0.90	77419	0.90	77420	0.90		
Non-Rotating Extension Finder for 1 7/8" Extension Bit.....	3.30	75122	75123	75124	75125	75125		75127	3.30	75128	3.30	75129	3.30		
4" Extension Bit.....	1.00			75086	75096	75100		75104	1.00	75108	1.00	75112	1.00		
4" Ext. Bit and Finder Assembly.....	1.75			75087	75097	75101		75105	1.75	75109	1.75	75113	1.75		
6" Extension Bit.....	1.10			75088	75098	75102		75106	1.10	75110	1.10	75114	1.10		
6" Ext. Bit and Finder Assembly.....	1.85			75095	75099	75103		75107	1.85	75111	1.85	75115	1.85		
2 1/16" Extension Bit.....	0.85			75240	75241	75242		75243	0.80	75244	1.00	75245	1.05		
2 1/16" Ext. Bit and Finder Assembly for use with Ext. Shank below.....	1.60			75246	75247	75248		75249	1.60	75250	1.75	75251	1.80		

\*QUANTITY PRICES—Std. Length 1/4"  
Bit: Lot of 50 to 99, \$0.48; 100 to 499,  
\$0.43; over 500 (except No. 73198),  
\$0.34. Box of 5 (all sizes), \$2.70.

\*\*QUANTITY PRICES—Std. Length 1/4"  
Bit: Lot of 50 to 99, \$0.75; over 100,  
\$0.69. Box of 5, \$4.00.

## 1/4" PHILLIPS BITS

	No. 1 or No. 2	No. 3
Standard Length.....	70371 .....\$0.57†	75075 .....\$0.75
1 7/8" Extension.....	75277 ..... .90	75278 ..... 1.10

†100 to 499, \$0.47; over 500, \$0.32.

## 1/4" REED AND PRINCE BITS

All Sizes
22090 .....\$0.50

Items below are individually  
priced as per figures following  
each catalog number

**7/16"  
SHANK**

For use with all  
No. 14 and larger  
screwdrivers

Items below are uniformly priced as per figures at left

No. 14 and larger screwdrivers		PRICE EACH	6F, 6R, 8R	8F, 9F, 10R	10F, 10R, 12R	12F, 12R	14F, 16R	16F, 18R	18F, 20R	PRICE EACH	20F	PRICE EACH	24F	PRICE EACH
Standard Bits		\$0.97*	72944	72945	72946	72947	72960	72961	72962	\$0.97*	72963	\$1.20*	72907	\$1.45*
Standard Bit and Finder Assembly		1.55**	72951	72952	72953	72954	72964	72965	72966	1.95**	72967	2.40**	72956	2.80**

\*QUANTITY PRICES—Std. Length 7/16"  
Bit: Lot of 50 to 99 (except 72963,  
72907), \$0.63; 100 to 499 (except 72962,  
72963, 72907), \$0.57; over 500 (except  
72962, 72963, 72907), \$0.46. Box of 5  
(except 72963, 72907), \$3.45. No. 72963,  
over 50, \$1.10; Box of 5, \$5.75. No.  
72907, Box of 5, \$7.00.

\*\*QUANTITY PRICES—Std. Length 7/16"  
Bit and Finder Assembly (except 72966,  
72967, 72956): Lot of 50 to 99, \$1.45;  
over 100, \$1.25; Box of 5, \$7.50. No.  
72966, over 50, \$1.80; Box of 5, \$9.25.  
No. 72967, Box of 5, \$11.75. No. 72956,  
Box of 5, \$13.75.

## 7/16" PHILLIPS BITS

Cat. No. 57551 #2 Point.....	\$0.86†
Cat. No. 57552 #3 Point.....	0.86†
Cat. No. 57553 #4 Point.....	0.86†

† Quantity price, 100 to 499, each \$0.51. Over 500, each \$0.48.

## 7/16" REED AND PRINCE BITS

All Sizes
No. 75281 .....\$0.75

## EXTENSION SHANKS



with Chuck Assembly for holding socket wrench shanks or bits

Type Shank	Extension Length	Cat. No.	Price	Type Shank	Extension Length	Cat. No.	Price
1/4" Hex.	4"	75252	\$2.00	7/16" Hex.	4"	75254	\$1.80
1/4" Hex.	6"	75253	2.00	7/16" Hex.	6"	75255	2.00

LENGTH—All figures indicating length  
of bits or extensions do not refer to  
overall length, but to projection beyond  
attachment or chuck.

## PIX-UP FINDERS AND ADJUSTO-TRAY

A combination that speeds assembly operations three to nine times. Adjusto-Tray holds screws "heads up"—PIX-UP FINDER is then placed over the screw-head, and as the tray depresses slightly, the finder grips the screw head firmly and in perfect alignment, ready for the driving operation.

## ADJUSTO TRAYS

Cat. No.	For Screw No.	Price
69408	3 and 4	\$6.00
69409	5 and 6	6.00
69410	8 and 10	6.00
71103	12 and 14	7.20

## PIX-UP FINDERS AND BITS

For Use with Adjusto-Tray

Screw Size	Pixel-Up Bits	Price	Pixel-Up Finder Assembly	Price
3R	77415	.90	69414	\$5.40
3F	77415	.90	69418	5.40
4R	77416	.90	69422	5.40
4F	77416	.90	69426	5.40
6R	77417	.90	69430	5.40
6F	77417	.90	70040	5.40
8R	77418	.90	69435	5.40
8F	77418	.90	70044	5.40
10R	77419	.90	69440	5.40
10F	77419	.90	73042	5.40
12R	77420	.90	69445	5.40
14R	80885	.90	69450	5.40

Any Pixel-Up Finder for screws not listed,  
price on application.

WHEN ORDERING SCREWDRIVER BITS AND  
OTHER ACCESSORIES, SPECIFY EXACT  
SIZE AND TYPE OF SCREW OR SEND A  
SAMPLE SCREW.





# SOCKET WRENCHES

Single Broached Hex.



Double Broached Hex.

DISTANCE ACROSS FLATS

3/16" 7/32" 1/4" 9/32" 5/16" 11/32" 3/8" 7/16" 1/2" 17/32" 9/16" 19/32" 5/8" 21/32" 11/16"

## STANDARD 1/4" SQUARE DRIVE

HEX.	Standard Length Single Broached	20543 \$0.40	20544 \$0.40	20545* \$0.40	20547 \$0.40	20548 \$0.40	20549 \$0.40	20550 \$0.40	20551 \$0.40	20552 \$0.45
HEX.	Deep Length Single Broached	20561 \$0.80	20562 \$0.80	20563 \$0.80	20564 \$0.80	20565 \$0.80	20566 \$0.80	20567 \$0.80	20568 \$0.80	
HEX.	Thin Wall Single Broached	20553 \$0.40	20554 \$0.40	20555 \$0.40	20556 \$0.40	20557 \$0.40	20558 \$0.40	20559 \$0.40	20560 \$0.40	
SQ.	Standard Length Double Broached	20569 \$0.40		20570 \$0.45	20571† \$0.45	20572 \$0.45		20573 \$0.45		

\*With Inside Hex. Taper, No. 20546, \$0.50

†Single Broached

## MAGNETIZED 1/4" SQUARE DRIVE

HEX.	Standard Length Single Broached	21087 \$1.40	21088 \$1.40	21089 \$1.40	21090 \$1.40	21091 \$1.40	21092 \$1.40	21093 \$1.45	21094 \$1.45	21095 \$1.45
------	---------------------------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------

## 9/32" SQUARE DRIVE

HEX.	Parker Kalon Single Broached		20584 \$0.40	20585 \$0.40		20588 \$0.40	20589 \$0.40	20590 \$0.45		
------	------------------------------	--	-----------------	-----------------	--	-----------------	-----------------	-----------------	--	--

## 3/8" SQUARE DRIVE

HEX.	Standard Length Single Broached				20593 \$0.45	20594 \$0.45	20595 \$0.45	20596 \$0.45	20597 \$0.45	20598 \$0.55	20599 \$0.55	20600 \$0.50	20601 \$0.55	20602 \$0.60
HEX.	Parker Kalon Single Broached				20604† \$0.75	20605 \$0.50	20606 \$0.50							
HEX.	Standard Length Double Broached				20607 \$0.45	20608 \$0.45	20609 \$0.45			20611 \$0.45		20612 \$0.55		20613 \$0.60
HEX.	Thin Wall Double Broached				20615 \$0.55	20616 \$0.55	20617 \$0.55			20618 \$0.55		20619 \$0.60		20620 \$0.60
HEX.	Deep Sockets Single Broached				20622 \$0.60	20623 \$0.65	20624 \$0.65	20625 \$0.65		20626 \$0.65		20627 \$0.70		20628 \$0.80
HEX.	Deep Sockets Double Broached					20638 \$0.65	20639 \$0.65			20640 \$0.65		20641 \$1.70		
HEX.	Thin Wall Deep Single Broached				20630 \$0.60	20631 \$0.65	20632 \$0.65			20633 \$0.75		20635 \$0.80		20636 \$0.80
HEX.	Thin Wall Deep Double Broached									20643 \$0.75		20644 \$0.80		20645 \$0.85
SQ.	Standard Length Double Broached		20651 \$0.50	20652 \$0.55	20653 \$0.55		20654 \$0.55	20655 \$0.55	20656 \$0.55					
SQ.	Thin Wall Deep Double Broached						20657 \$0.75	20658 \$0.75	20659 \$0.80					

† Inside Hex. Taper

## 1/2" SQUARE DRIVE

HEX.	Standard Length Single Broached				20660 \$0.55	20661 \$0.55	20662 \$0.55		20663 \$0.55	20664 \$0.60	20665 \$0.60	20666 \$0.70	20667 \$0.60	
HEX.	Parker Kalon Single Broached				20680 \$0.75	20681 \$0.75	20682 \$0.85		20683 \$0.90					
HEX.	Thin Wall Deep Single Broached				20684 \$0.65	20685 \$0.65		20686 \$0.65	20687 \$0.65	20688 \$0.65	20689 \$0.65	20690 \$0.70		
HEX.	Standard Length Double Broached				20699 \$0.55	20700 \$0.55	20701 \$0.55		20702 \$0.55	20703 \$0.60	20704 \$0.60		20705 \$0.60	
HEX.	Thin Wall Double Broached				20714 \$0.65	20715 \$0.65		20716 \$0.65	20717 \$0.65	20718 \$0.65	20719 \$0.65	20720 \$0.70		
HEX.	Deep Length Single Broached				20733 \$1.25	20734 \$1.25	20735 \$1.25		20736 \$1.25		20737 \$1.25		20738 \$1.25	
HEX.	Thin Wall Deep Double Broached						20745 \$1.20		20746 \$1.20		20747 \$1.20		20748 \$1.20	
SQ.	Standard Length Double Broached				20756 \$0.70	20757 \$0.70	20758 \$0.70		20759 \$0.75		20760 \$0.80		20761 \$0.95	

## 1/2" SQUARE DRIVE UNIVERSAL SOCKETS

HEX.	Standard Length Single Broached				20870 \$2.50	20871 \$2.50		20872 \$2.50		20873 \$2.60		20874 \$2.65		
HEX.	Thin Wall Double Broached				20881 \$2.15	20882 \$2.15		20883 \$2.15		20884 \$2.20		20885 \$2.25		

## 3/8" SQUARE DRIVE UNIVERSAL SOCKETS

HEX.	Standard Length Single Broached				20858 \$1.95	20859 \$1.95	20860 \$1.95		20861 \$2.15		20862 \$2.25			
HEX.	Thin Wall Double Broached				20863 \$2.05	20864 \$2.05	20865 \$2.05		20866 \$2.15		20867 \$2.15		20868 \$2.35	



# AND ACCESSORIES

Single Broached Square



Double Broached Square

## ADDITIONAL SOCKETS

Sockets listed on these pages are the full range available up to 1/2" square drive for all Thor nut setters listed in this catalog. Thor also makes available power type sockets up to 1" square drive and impact sockets for Thor 3/8" and 5/8" impact wrenches.

## SOCKET ADAPTORS

Socket adaptors provide a ready means of changing the square drive of your machine to a larger or smaller drive as desired.

Female End	Male End	IMPACT TYPE Number	Price	POWER TYPE Number	Price	Female End	Male End	IMPACT TYPE Number	Price	POWER TYPE Number	Price
3/8"	1/4"			20907	\$0.45	1/2"	5/8"	22185	\$1.45	20911	\$1.05
3/8"	9/32"			20908	.45	1/2"	3/4"	22186	1.55	20912	1.20
3/8"	7/16"	22194	\$0.85	20909	.65	3/4"	1/2"	22187	1.70		
1/2"	1/2"	22184	1.35	20910	.70	3/4"	3/4"	22188	1.70		

3/4"	25/32"	13/16"	7/8"	29/32"	15/16"	31/32"	1"	1 1/32"	1 1/16"	13/32"	1 1/8"	13/16"	1 1/4"
------	--------	--------	------	--------	--------	--------	----	---------	---------	--------	--------	--------	--------

## 3/8" SQUARE DRIVE (Continued)

20603													
\$0.65													
20614													
\$0.65													
20621													
\$0.60													
20629													
\$0.90													
20642													
\$0.85													
20637													
\$0.90													
20646		20647	20648		20649		20650						
\$0.90	\$1.00	\$1.10		\$1.15		\$1.20							

‡ Inside Hex. Taper

## 1/2" SQUARE DRIVE (Continued)

20668 \$0.60	20669 \$0.70	20670 \$0.70	20671 \$0.75	20672 \$0.85	20673 \$0.90	20674 \$0.90	20675 \$1.00		20676 \$1.10		20678 \$1.10	20679 \$1.25	
20691 \$0.75	20692 \$0.75	20693 \$0.75	20694 \$0.75	20695 \$0.90	20696 \$0.95		20697 \$1.00		20698 \$1.10				
20706 \$0.60	20707 \$0.70	20708 \$0.70	20709 \$0.75		20710 \$0.90		20711 \$1.00		20712 \$1.10		20713 \$1.10		
20721 \$0.75	20722 \$0.75	20723 \$0.75	20724 \$0.75	20725 \$0.90	20726 \$0.95	20727 \$1.00	20728 \$1.00		20729 \$1.10		20730 \$1.15	20731 \$1.20	20732 \$1.30
20739 \$1.30		20740 \$1.35	20741 \$1.45		20742 \$1.60		20743 \$1.60				20744 \$1.80		
20749 \$1.20		20750 \$1.30	20751 \$1.35		20752 \$1.45		20753 \$1.50		20754 \$1.60		20755 \$1.65		
20762 \$1.00		20763 \$1.10	20764 \$1.20		20765 \$1.30		20766 \$1.40						

## 1/2" SQUARE DRIVE UNIVERSAL SOCKETS (Continued)

20875	20876	20877	20878		20879		20880
\$3.45	\$3.75	\$3.75	\$3.95		\$4.25		\$5.45
20986							
\$2.25							

## 3/8" SQUARE DRIVE UNIVERSAL SOCKETS (Continued)

20869							
\$2.35							



## SOCKET WRENCH SHANKS



### 1/4" HEXAGON SHANK

Square Drive	Length	Number	Price
1/4"	2 1/8"	73923*	\$1.60
9/32"	2 1/8"	73924*	1.60
3/8"	2 1/8"	73925*	1.60

\*With 1/2" Diam. Guide Shoulder

### 7/16" HEXAGON SHANK

3/8"	1 1/2"	20513	\$1.05
3/8"	2 3/4"	20514	1.00
3/8"	5"	20515	1.10
3/8"	8"	20516	1.25
3/8"	12"	20517	1.45
3/8"	18"	20518	2.05
1/2"	1 1/2"	20519	1.65
1/2"	2 3/4"	20520	1.20
1/2"	5"	20521	1.40
1/2"	8"	20522	1.60
1/2"	12"	20523	1.75
1/2"	18"	20524	2.35
1/2"	20"	20525	3.50
1/2"	22"	20526	3.50

## SOCKET EXTENSIONS



### 1/4" SQUARE DRIVE

Length	Number	Price
2"	20889	\$0.65
4"	20890	.85
6"	20891	1.00

### 3/8" SQUARE DRIVE

3"	20892	\$1.10
6"	20893	1.35
12"	20894	1.65

### 1/2" SQUARE DRIVE

2"	20895	\$0.95
5"	20896	1.30
10"	20897	1.65
20"	20898	1.95

## UNIVERSAL JOINTS



Square Drive	Length	Number	Price
3/8"	1 3/8"	20887	\$2.50
1/2"	2-35/64"	20888	2.65



# Thor

## Silver Line

# SAWS



Steel Carrying Case Furnished With Silver Line Saws.

## SPECIFICATIONS

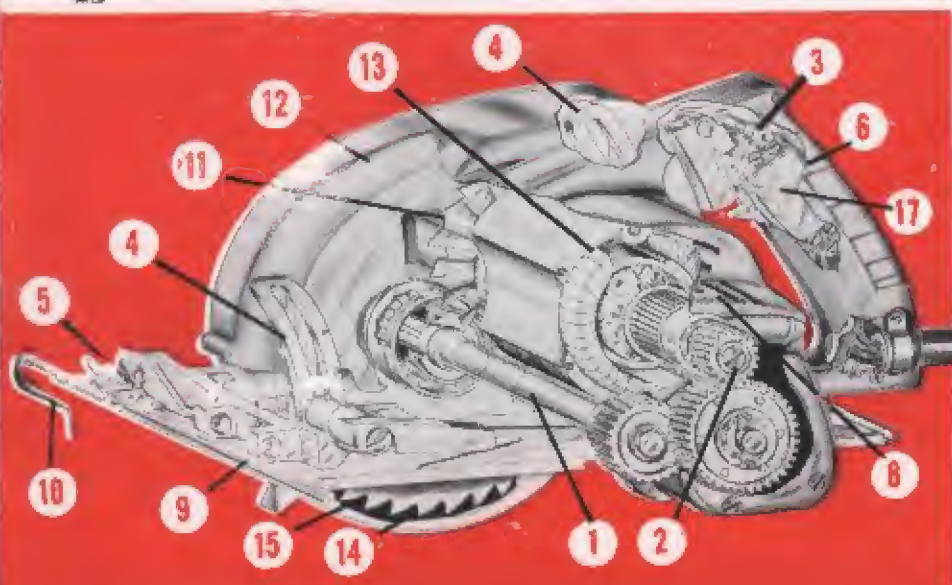
Code	T6*	T7	T8	T10	T12
Blade Size.....	6 1/4"	7 1/4"	8 1/4"	10"	12"
Max. Depth of Cut.....	2 1/32"	2 1/2"	2 15/16"	3 5/8"	4 7/16"
45° Depth of Cut.....	1 3/8"	1 7/8"	2 5/32"	2 5/8"	3 1/4"
Weight, Lbs.....	13 1/2	17 1/4	18	35	36 1/2
Shipping Wt., Lbs.....	18*	34	37	60	62
Speed R.P.M.....	5000	4200	4200	2750	2750
Price.....	\$65.00*	\$125.00	\$145.00	\$190.00	\$225.00

\*Furnished standard without carrying case.  
(Price with steel carrying case [Code T6C], \$69.95, Shipping weight, 30 lbs.)

All Silver Line Saws are equipped with one combination blade, 10-feet of 3-conductor cable with 2-prong plug and ground connector, blade nut wrench, lubricant and steel carrying case. (T6 is furnished standard without carrying case, see note above.)

- 1 LONG SHAFT MOTOR MOUNTING—full ball bearing support where it's needed most.
- 2 DIRECT GEAR DRIVE—no power-wasting worm gears!
- 3 SAFETY LOCK SWITCH—Saw cannot be started accidentally.

- 4 PROTECTED DEPTH AND BEVEL SCALES—always accurate.
- 5 FINGER TIP ADJUSTMENT—set depth, bevel or rip guides instantly. They lock securely.
- 6 CONVENIENT HANDLES. Natural saw-grip behind the center of gravity.
- 7 ACCESSIBLE BRUSH HOLDERS, easy to inspect and service.
- 8 AMPLE VENTILATION above and below commutator housing.
- 9 WIDE SAFETY BASE—the only basis for REAL balance in a portable saw.
- 10 UNIQUE RIP GUIDE can be firmly set for any width of material.
- 11 SAW DUST BLOWER integral with ventilating system. Cutting line always visible.
- 12 REINFORCED ALUMINUM HOUSINGS, Safe from accidental damage.
- 13 POWERFUL MOTOR designed to stand up under full-load cutting day in and day out.
- 14 AUTOMATIC TELESOPING BLADE GUARD for complete protection.
- 15 EASY BLADE CHANGE—five second operation; just remove hex, cap screw.
- 16 POSITIVE 90° STOP—when released, saw automatically squares itself at 90° after bevel cutting—no guesswork.
- 17 OVERSIZE SWITCHES—fully insulated positive protection against electrical failure.





### Silver Line "6"



Depth of Cut, 2 1/2"  
Price, \$65.00\*  
\*Without carrying case.  
[Price with steel carrying  
case, \$69.95.]

### Silver Line "8"



Depth of Cut, 2 1/2"  
Price, \$125.00

### Silver Line "8"



Depth of Cut, 2 15/16"  
Price, \$145.00

### Silver Line "10"



Depth of Cut, 3 5/8"  
Price, \$190.00

### Silver Line "12"



Depth of Cut, 4 7/16"  
Price, \$225.00

## SAW BLADES and ABRASIVE DISCS



# Thor

		6"	7"	8"	10"	12"
<b>COMBINATION BLADE</b>	 For ripping and cross-cutting	6 1/4" 73863 \$2.25	7 1/4" 73875 \$2.50	8 1/4" 73881 \$2.65	10" 73894 \$3.65	12" 73899 \$4.85
<b>CUT-OFF BLADE</b>	 For cross cut work	6 1/4" 73865 \$2.25	7 1/4" 73876 \$2.50	8 1/4" 73883 \$2.65	10" 73895 \$3.65	12" 73900 \$4.85
<b>MITRE BLADE</b>	 Hollow ground, smooth cutting	6 1/4" 73867 \$3.25	7 1/4" 73877 \$4.50	8" 73885 \$4.45	10" 73896 \$7.95	
<b>METAL CUTTING BLADE</b>	 For non-ferrous metal	5 7/8" 73874 \$6.05		8" 73888 \$6.55		
<b>RIP BLADE</b>	 For rough ripping				10" 73898 \$3.65	12" 73901 \$4.85
<b>ICE SCORING BLADE</b>	 Special design	6 1/4" 75344 \$2.25	7 1/4" 75345 \$2.50	8 1/4" 75346 \$2.65		
<b>FLOORING BLADE</b>	 Cuts through nails	6 1/4" 73873 \$2.25	7 1/4" 73878 \$2.50	8" 73886 \$2.65	10" 73897 \$3.65	
<b>FINE TOOTH BLADE</b>	 For soft wall board	6 1/4" 73869 \$2.25	7" 73879 \$2.50	8" 73887 \$2.65		
<b>FRICTION BLADE</b>	 For light gauge iron sheets	6 1/4" 73871 \$4.85		8" 73884 \$6.05		
<b>CARBIDE TIPPED BLADE</b>	 *For abrasive composition materials.	6" 22315 \$16.45	7" 22313 \$17.50	8" 22314 \$19.50	*Comesto board, transite and other asbestos cement boards, and all kinds of wood.	
<b>DIAMOND EDGE BLADE</b>	<b>STANDARD DUTY</b>	6"x.032" 22485 \$9.50	7"x.040" 22483 \$12.20	8"x.040" 22491 \$13.60	10"x.040" 22494 \$17.80	12"x.050" 22497 \$26.10
	<b>HEAVY DUTY</b>	6"x.040" 22486* \$10.80	7"x.050" 22489* \$16.40	8"x.050" 22492* \$17.80	10"x.050" 22495 \$21.10	12"x.064" 22498 \$30.00
	<b>EXTRA HEAVY DUTY</b>	6"x.050" 22487 \$13.60	7"x.064" 22490 \$20.30	8"x.064" 22493 \$21.10	10"x.064" 22496* \$26.10	12"x.075" 22499* \$42.40

## ABRASIVE DISCS

Application:		Alloy Steels	Concrete	Marble	Cast Iron	Tile	Asbestos Cement Sheets	Granite	Crab Orchard Stone
Disc Size	Price								
6 1/4" x 1/8"	\$1.55	73938	73939	73940	73941	73942	73943		
6 1/4" x 3/16"	1.90		73944	73945					
7 1/8" x 1/8"	1.90	73946	73947	73948	73949	73950	73951		
7 1/8" x 3/16"	2.50		73952						
8" x 1/8"	2.20	73953	73954	73955	73956	73957	73958		
8" x 1/4"	2.75		73959						
9 15/16" x 1/8"	3.10	73966	73967	73968	73969	73970	73971		
11 15/16" x 1/8"	4.20	73972	73973	73974	73975	73976	73977		

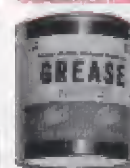
QUANTITY PRICES—Applying on single order for one type or an assortment: Up to 11—List Price; 12 to 24—10%; 25 to 99—20%; 100 and over—30%.

## WATER FEED ATTACHMENT

For use with Thor Diamond Edge Blades, also may be used with Thor Abrasive Discs. Fastens easily to swivel base of saw. Equipped with perforated fork tube that shoots water against both sides of blade, and 12 feet of hose with standard coupling for water faucet or water extension hose.

No. 79534 (Fits T6, T7, T8).....\$9.50  
No. 80876 (Fits T10, T12).....9.50

## SAW LUBRICANTS



Number	Quantity	Price
70065	2 oz. tube.....	\$0.40
73798	8 oz. tube.....	.60
21382	2 lb. can.....	1.20
75975	8 lb. can.....	4.50



# Thor

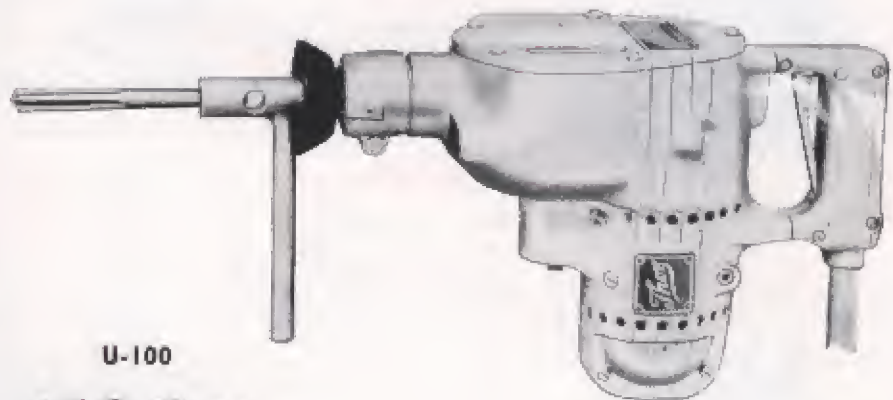


## U-100 ELECTRIC HAMMER

with

*Sling Shot  
Drive*

Shock-proof rubber yoke drives the piston in powerful hammer action. It whips the piston with sling-shot action . . . acting as a power accumulator to increase the speed of the piston on the forward stroke . . . then as a shock absorber on the recoil. There's no metal connection between the piston and the gear train and motor. And thus no shock to gear, motor, or operator. Here's enormous power, easy to handle!



U-100

**\$130<sup>00</sup>**

Code No. \_\_\_\_\_ U-100  
Capacity in concrete \_\_\_\_\_ 1 1/8" Star Drill  
Blows per minute \_\_\_\_\_ 1600  
Weight \_\_\_\_\_ 14 lbs.  
Shipping Weight \_\_\_\_\_ 32 lbs.  
(With Carrying Case)  
Length Overall \_\_\_\_\_ 13 1/2"  
Shank Offset \_\_\_\_\_ 1 5/16"

Type Nozzle—  
Standard: to take .497" round by 1.75" long shank  
Optional: to take .432" hexagon by 1.75" long shank  
Extra (\$9.00): Rawl-Chuck

PRICE \_\_\_\_\_ \$130.00

EQUIPMENT: 1 No. 61076 Taper Shank Holder; 1 Ejector Pin; 1 extra Sling-shot Yoke; 1 Dust Shield; Metal Carrying Case; momentary grip switch with lock; seven feet of 3-conductor cable with 2-prong plug and ground connector.



No. 68098 Carrying Case.....\$9.40



No. 61076 Holder for Taper Shank Tools (Holder fits in standard round Nozzle) .....\$5.40



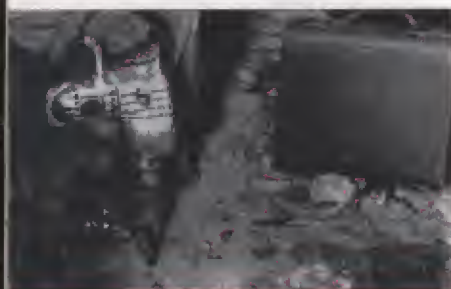
No. 68104 Turning Wrench for straight shank tools .....\$0.90



No. 69359 Dust Shield \$0.40



No. 68085 "Sling-Shot" Yoke \$0.75



**IN STONE**—The Thor-U-100 hammer drill is designed for fast, economical drilling, chiseling, demolition, in stone, concrete, asphalt, brick and composition materials, and for cleaning out mortar, web cutting, removing form marks and similar work.



**IN WOOD**—Cutting, gouging, and shaping in wood can be done efficiently with the U-100 and proper Thor wood bits.



**IN METAL**—Chipping, scaling, removing rust paint, weld spatter, and similar accumulations . . . more jobs where the U-100 carries hard blows, fine and fast.



# U-100 HAMMER ACCESSORIES

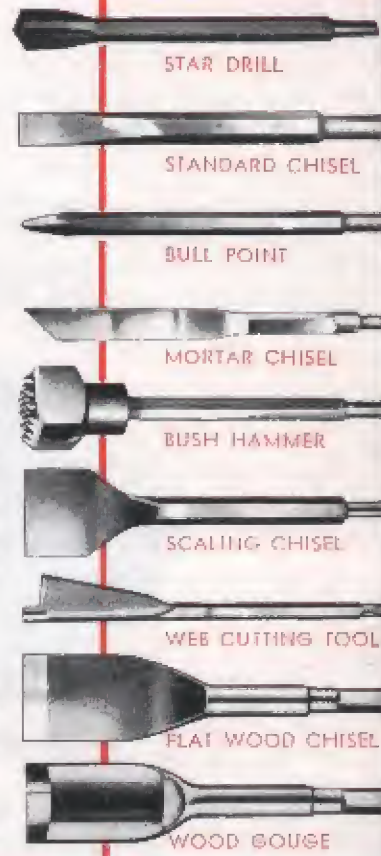
**Thor**

STAR DRILLS						
Point Diam.	Drilling Depth	Number	Price each in lots of			
			1	4	6	12
1/8"	5"	70336	\$1.20	\$	\$1.10	\$1.05
1/8"	5"	70337	1.20		1.10	1.05
1/8"	9"	70445	1.45		1.55	1.45
1/8"	9"	70338	1.20		1.10	1.05
1/8"	9"	70345	1.65		1.55	1.45
1/8"	12"	70446	1.80		1.65	1.60
1/8"	5"	70339	1.20		1.10	1.05
1/8"	9"	78645	1.45		1.55	1.45
1/8"	12"	70353	1.80		1.65	1.60
1/8"	18"	78646	2.15			
1/8"	5"	70340	1.20		1.10	1.05
1/8"	9"	70346	1.45		1.55	1.45
1/8"	12"	70354	1.80		1.65	1.60
1/8"	18"	70359	2.15			
1/8"	24"	70364	2.55			
1/8"	5"	70447	1.20		1.10	1.05
1/8"	9"	70347	1.45		1.55	1.45
1/8"	5"	70341	1.20		1.10	1.05
1/8"	9"	70348	1.45		1.55	1.45
1/8"	12"	70355	1.80		1.65	1.60
1/8"	18"	70360	2.15			
1/8"	24"	70365	2.55			
1/8"	9"	70349	1.85		1.70	1.65
1/8"	5"	70342	1.45		1.30	1.25
1/8"	9"	70350	1.85		1.70	1.65
1/8"	12"	70356	2.05		1.85	1.80
1/8"	18"	70361	2.35			
1/8"	24"	70366	2.75			
1/8"	5"	70343	1.55		1.50	1.45
1/8"	9"	70351	2.10		1.95	1.85
1/8"	12"	70357	2.15		2.00	1.85
1/8"	18"	70362	2.55			
1/8"	24"	70367	2.95			
1/8"	5"	70344	1.70		1.60	1.55
1/8"	9"	70352	2.20		2.10	1.95
1/8"	12"	70358	2.35		2.25	2.20
1/8"	18"	70363	2.70			
1/8"	24"	70368	3.15			
1/8"	5"	74842	2.60		2.40	2.35
1/8"	9"	74843	2.90		2.75	2.65
1/8"	12"	74844	3.15		2.90	2.80
1/8"	18"	74845	3.30			
1/8"	24"	74846	3.35			

CARBIDE TIPPED STAR DRILLS						
Point Diameter	Overall Length 4"	Price Each	Overall Length 6"	Catalog Number and Price	Overall Length 12"	Price Each
1/8"	22806	\$8.85				
1/8"	22807	9.35				
1/8"	22808	9.55				
1/8"			22809	\$ 9.80		
1/8"			22810	10.20		
1/8"			22811	10.75	22812	\$12.95
1/8"			22813	11.85	22814	13.95
1/8"			22815	12.95	22816	15.70
1/8"			22817	13.85	22818	16.50
1/8"			22819	14.85	22820	17.45
1/8"			22821	15.85	22822	18.55
1/8"			22823	16.70	22824	21.30
1/8"			22825	19.25	22826	24.75
1/8"			22827	23.65	22828	30.25

STANDARD CHISELS			
Description	Length	Number	Price
Chisel—Str. Shank	5"	71263	\$1.55
	9"	71264	2.00
	12"	71265	2.20
Chisel Hex. Shank	5"	71266	1.65
	9"	71267	2.00
	12"	71268	2.20
Bull Point Straight Shank	5"	71269	1.70
	9"	71270	2.00
	12"	71271	2.20

SPECIAL CHISELS STRAIGHT SHANK TOOLS			
Description	Number	Price	
Mortar Chisel	68103	\$2.95	
Bush Hammer (Head 1 1/2" Sq.)	68106	6.10	
Scaling Chisel (2" Blade)	68411	3.20	
Scaling Chisel (1 1/2" Blade)	68412	3.05	
HEXAGON SHANK TOOLS			
Web Cutting Tool	68408	4.25	
Flat Wood Chisel (2 1/8" Blade)	68409	4.25	
Wood Gouge	68410	4.25	



UIN  
**\$80.00**

**Thor**

## Silver Line SHEET METAL NIBBLER

Will do any work within its rated capacity that can be done with a portable power shear and in addition will cut regular and irregular shapes, follow line or contour accurately, cut plain or corrugated stock and cut tubes as small as 1 1/2" in diameter.

### SPECIFICATIONS

Code Number ..... UIN

Capacity:..... [ No. 20 Gauge in Mild Sheet Steel  
No. 16 Gauge in Soft Sheet Aluminum

Minimum Cutting Radius..... 1"

Length Overall ..... 9"

Diameter of Body..... 2 1/2"

Weight ..... 3 3/4 lbs.

Shipping Weight ..... 6 lbs.

PRICE ..... **\$80.00**

EQUIPMENT includes 1 extra cutting punch; adjusting wrench; wrench for clamp screw; seven feet of 3-conductor rubber cable and 2-prong plug with ground connector.



# Thor

## Silver Line

# BELT SANDER

- EXCLUSIVE direct gear drive minimizes friction losses, delivers as much as 20% extra power to the belt.

Without Vacuum Dust Collector..... **\$150<sup>00</sup>**

With Vacuum Dust Collector..... **\$178<sup>00</sup>**



- Superior Ventilating System
- Quick-acting Belt Release
- Accurate Belt-centering Device

ASK FOR CIRCULAR JE-1131

## 4 1/2" BELT SANDER

Code ..... T45  
 Belt Size ..... 4 1/2" wide x 26" long  
 Belt Speed ..... 1800 ft. per min.  
 Size ..... 6 3/4" x 14 1/2" x 9 1/4" high  
 Weight ..... 20 lbs., 12 oz.  
 Shipping Weight ..... 26 lbs.  
 PRICE ..... **\$150.00**

## 4 1/2" BELT SANDER

With Vacuum Dust Collector

Code ..... T45V  
 Belt Size ..... 4 1/2" x 26" long  
 Belt Speed ..... 1800 ft. per min.  
 Size ..... 6 3/4" x 14 1/2" x 9 1/4" high  
 Weight ..... 22 lbs., 6 oz.  
 Shipping Weight ..... 27 lbs.  
 PRICE ..... **\$178.00**

26

EQUIPPED with grip handle with momentary trigger switch; one medium grade belt; 10 feet of 3-conductor cable with 2-prong plug and ground connector. CODE T45V equipped with vacuum dust collector complete.

## BELTS FOR THOR 4 1/2" BELT SANDERS

### FOR WOOD

Grade	Cat. No.	Price
3	21192	\$0.63
2 1/2	21193	.60
2	21194	.58
1 1/2	21195	.56
1	21196	.54
1/2	21197	.53
1/0	21198	.51
2/0	21199	.50
3/0	21200	.50

### FOR METAL

Grade	Cat. No.	Price
24	21201	\$0.67
30	21202	.65
36	21203	.64
40	21204	.60
50	21205	.58
60	21206	.57
80	21207	.55
100	21208	.54
120	21209	.54
150	21210	.54
180	21211	.54
240	21212	.54
320	21213	.54

### FOR STONE

Grade	Cat. No.	Price
24	21214	\$0.67
30	21215	.65
36	21216	.64
40	21217	.60
50	21218	.58
60	21219	.55
80	21220	.54
100	21221	.54
120	21222	.54
150	21223	.54
180	21224	.54
220	21225	.54
320	21226	.54

### SPECIAL RECOMMENDATIONS

**MARBLE**—Use type "C", Grade No. 40 for leveling off rough surfaces, shaping, fitting; No. 60 for removing scratches left by No. 40; Nos. 150, 220 and 320 for honing.

**CAST STONE**—Use type "C", Nos. 24 and 40 for grinding and leveling off surfaces; No. 60 for smoothing; No. 150 for honing.

**NATURAL STONE**—[including Indiana limestone]. Use type "C", Nos. 24 and 40 for grinding, cutting bevels, leveling off surfaces; No. 60 for removing scratches, smoothing down.

**SLATE**—Use type "C", Nos. 24, 60 or 150 to desired finish.

### FOR REMOVING VARNISH

3	21227	\$0.67	2	21229	\$0.64	1	21231	\$0.58
2 1/2	21228	.65	1 1/2	21230	.60	1/2	21232	.57

### FABRIC BELT FOR POLISHING

Grade	Cat. No.	Price
1926	21233	\$5.94



*Silver Line*

*Thor*

# DISC SANDERS

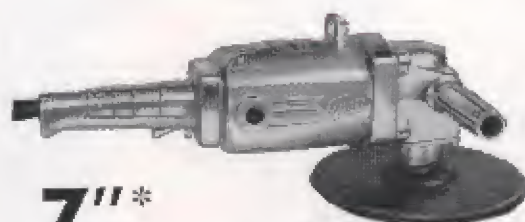


**7"\***  
**STANDARD  
DUTY**

EL82  
**\$73<sup>00</sup>**

\*Can be equipped with 4" Cup Wheel and Guard. Specify EL72, price \$90.00

- 50% More Power delivered to the disc—at the right speed—for cleaner, faster work.
- Equipped with rubber "bump-er" tool rest to protect motor and housings.
- Spindle Lock for easy disc change.



**7"\***  
**HEAVY  
DUTY**

EN82  
**\$82<sup>00</sup>**

\*Can be equipped with 6" Cup Wheel. Specify EN72, price \$95.00 (see page 29).



**9"**  
**HEAVY  
DUTY**

EN87  
**\$85<sup>00</sup>**

All ball bearing construction with special features designed to give long, dependable service—spiral tooth gears; switch lock for continuous or intermittent operation.

EQUIPPED with 5/8" threaded spindle with lock; momentary trigger switch and lock; removable side handle for use on either side; rubber tool guard; flexible rubber pad, box of three assorted sanding discs; seven feet of 3-conductor cable with 2-prong plug and ground connector. Optional: Suspension hook in place of rubber guard on EN82 and EN87, if specified.

	7" Standard Duty	7" Heavy Duty	9" Heavy Duty
Code No.	EL82	EN82	EN87
Speed R.P.M.	4500	4500	4500
Weight	8 1/2 lbs.	14 1/4 lbs.	14 1/4 lbs.
Shipping Wt.	13 lbs.	21 lbs.	21 lbs.
Length	13 1/2"	17"	17"
PRICE	\$73.00	\$82.00	\$85.00

## SANDING DISCS

7/8" Hole Standard. Also available with 1/2" hole or 5/8" hole at no extra charge.

### Closed Grain for Metal or Wood Sanding

Grade	7" Diameter Number	Price	9" Diameter Number	Price	Grade	7" Diameter Number	Price	9" Diameter Number	Price
*16	72775	\$0.46	72797	\$0.62	80	72781	\$0.30	72803	\$0.40
24	72776	.36	72798	.48	100	72782	.30	72804	.40
30	72777	.36	72799	.48	120	72783	.30	72805	.40
36	72778	.36	72800	.48	150	72784	.30	72806	.40
50	72779	.33	72801	.44	180	72785	.30	72807	.40
60	72780	.31	72802	.42					

### Open Grain for Wood Sanding

Grade	7" Diameter Number	Price	9" Diameter Number	Price	Grade	7" Diameter Number	Price	9" Diameter Number	Price
*16	72786	\$0.46	72808	\$0.62	30	72788	\$0.36	72810	\$0.48
24	72787	.36	72809	.48	36	72789	.36	72811	.48

\*No. 16 Discs are packed 10 to a box. All other discs packed 25 to a box.

## THOR DISC TRIMMER



Cuts larger discs (up to 9") down to smaller sizes (to 4" minimum). Salvages used discs for service with smaller pads. Cat. No. 74368.  
Price **\$13.65**

## BACKING PADS

7" Rubber Backing Pad, Catalog No. 74139, Price	\$3.50
9" Rubber Backing Pad, Catalog No. 74140, Price	5.50
7" KOOLBACK Pad, Price	5.00
Flexible (No. 21261); Medium (No. 21262); Rigid (No. 21263)	
9" KOOLBACK Pad, Price	7.00
Flexible (No. 21264); Medium (No. 21265); Rigid (No. 21266)	



# Thor

# BALL BEARING BENCH GRINDERS



6", 7", 8", 10"

HEAVY DUTY

- Complete Ball Bearing Construction
- Perfectly Balanced—quiet, smooth-running
- Designed for maximum convenience and service

Suited for all-around service in grinding, buffing, and wire wheel work. All ball bearings are oversize and dust tight, requiring only annual greasing attention. Adjustable tool rests.

## WITH AC MOTORS, SINGLE PHASE

115 or 220 volts, 50 or 60 cycles, as specified.

	6" Standard Duty	6" Heavy Duty	7" Heavy Duty	8" Heavy Duty	10" Heavy Duty
Code No.	B634	B65	B75	B85	B10
Wheel Size	6"x1/2"	6"x3/4"	7"x1"	8"x1"	10"x1"
Motor Rating	1/4 H.P.	1/2 H.P.	1/2 H.P.	1/2 H.P.	1 H.P.
Spindle Thread	1/2"	1/2"	5/8"	3/4"	3/4"
R.P.M. (60 cycle)	3450	3450	3450	3450	1750
R.P.M. (50 cycle)	2850	2850	2850	2850	1425
Weight, Lbs.	35	58 1/2	69	71	137
Shipping Wt., Lbs.	45	69	81	83	153
Length Overall	14"	19"	20"	20"	24"
Height Overall	9"	11 1/4"	11 3/4"	12 1/4"	15 1/4"
Width Overall	7 1/2"	9 1/4"	11"	11"	14"
Bench Space (Base)	7 1/2"x7 1/2"	10"x6 5/8"	10 7/16"x6 5/8"	10 7/16"x6 5/8"	13 1/2"x9 5/8"
PRICE	\$42.00	\$63.00	\$88.00	\$96.00	\$150.00



6" Standard Duty



Standard Type  
EYE SHIELD

Shatterproof Glass  
Cat. No. 64482  
Per Pair, \$3.75



Illuminated Type  
EYE SHIELD

Shatterproof Glass  
Cat. No. 74367  
Price Each, \$9.00

## ADDITIONAL MOTOR TYPES

Grinder Size	Three Phase A.C., 50 or 60 cycles, 220 volts	25 Cycle A.C., single phase, 115 or 220 volts, as specified
6" Heavy Duty	\$ 80.00	\$ 75.00
7" Heavy Duty	95.00	100.00
8" Heavy Duty	110.00	110.00
10" Heavy Duty	150.00	

EQUIPMENT. All Grinders equipped with two wheel guards, two adjustable tool rests, two grinding wheels (one coarse, one fine), toggle switch, 10 feet of 3-conductor cable with 2-prong plug and ground connector.

## MEDIUM GRADE GRINDING WHEELS, VITRIFIED

Wheel Size	Cat. No.	Price	Wheel Size	Cat. No.	Price
6"x1/2"x1/2" hole	72307	\$1.70	8"x1" x5/8" hole	72372	\$4.65
6"x3/4"x1/2" hole	72316	1.95	10"x1" x3/4" hole	72404	6.55
7"x1" x5/8" hole	72354	2.50			

## STANDARD DUTY WIRE BRUSHES, ARBOR TYPE

Brush Size	Wire Gauge		Price
	30	33	
6"x1"x1/2" hole	73062	73068	\$2.30
7"x1"x5/8" hole	73063	73069	2.50
8"x1 1/8"x5/8" hole	73064	73070	3.00
10"x1 1/2"x3/4" hole	73065	73071	4.80

## CLOTH BUFFING WHEELS

Wheel Size	Cat. No.	Price Each	Price Each, Pkg. of 5
6"x1/2"x1/2" hole	64419	\$1.00	\$5.90
6"x1/2"x5/8" hole	64420	1.00	.90



BENCH GRINDER  
PEDESTAL

For 6", 7" and 8"  
Bench Grinders  
Code BGS

**\$32.00**

Height ..... 31 1/4"  
Base ..... 14"x14"  
Weight ..... 56 1/2 lbs.  
Shipping Wt. .... 62 lbs.  
Equipped with detachable water cup; 2 each attachment bolts, nuts and washers. Base has bolt holes for rigid attachment to floor.

WRITE FOR COMPLETE LISTINGS OF OVER 500 GRINDING  
WHEELS AND WIRE BRUSHES IN ALL SIZES AND TYPES



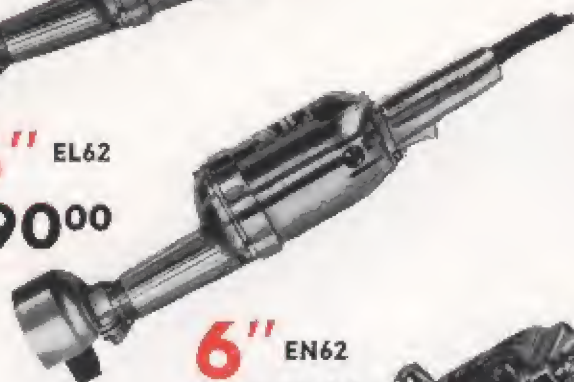
# Silver Line HEAVY DUTY PORTABLE GRINDERS

# Thor

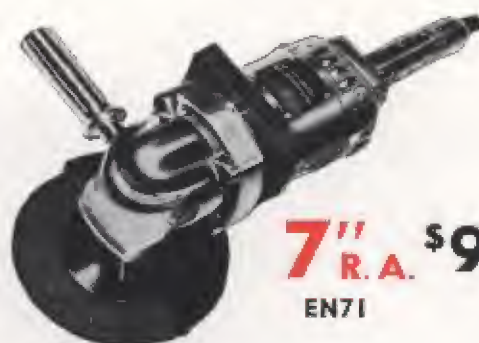
**4"** EL60  
**\$77.50**



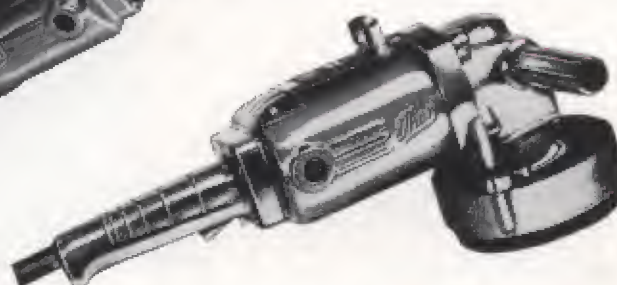
**5"** EL62  
**\$90.00**



**6"** EN62  
**\$112.00**



**7" R.A.** \$95.00  
EN71



**6" CUP**  
**\$95.00**  
EN72

Completely ball bearing machines with helical gearing, momentary switch with locking pin for continuous operation and other modern features of design for long, dependable operation.

	4"	5"	6"	6" CUP	7" R. A.
Code	EL60	EL62	EN62*	EN72**	EN71
Wheel Size	4"x3/4"	5"x3/4"	6"x1"	6" Fl. Cup	7"
Spindle Thread	1/2"x13	1/2"x13	5/8"x11	5/8"x11	5/8"x11
Speed R.P.M.	6,000	4,500	4,000	4,500	5,500
Weight, lbs.	10	10 1/4	15 1/4	14 1/4	14 1/4
Shipping Wt., lbs.	15	15	23	22	22
Length Overall	18 3/4"	18 3/4"	23 3/4"	17"	17"
PRICE	\$77.50	\$90.00	\$112.00	\$95.00	\$95.00

EQUIPPED with general purpose grinding wheel and wheel guard; rubber tool guard with EL60, EL62 and EN72, suspension hook with EN62; EN72 equipped with detachable side handle; momentary trigger switch and lock; seven feet of 3-conductor cable with 2-prong plug and ground connector. EN71 equipped with 7" Guard, Backing plate, Spacing washer, Clamp nut and wrench for depressed center wheel. No wheel furnished. \*\*EN72 can be furnished with same equipment as EN71 in place of standard equipment if specified. Optional: EN62—rubber tool guard in place of suspension hook, if specified; EN72—suspension hook in place of rubber tool guard, if specified.

\*FOR TUCK POINTING—6" Grinder can be equipped with 8" guard and 8" cutoff type wheel, specify Code EN64, price \$112.00.

## GRINDING WHEELS

### STRAIGHT WHEELS (General Purpose Vitrified)

Wheel Size	Cat. No.	Price
4"x 3/4" x 1/2" hole	72263	\$1.23
5"x 3/4" x 1/2" hole	72266	2.10
6"x 1" x 5/8" hole	72333	2.25

### CUP WHEELS (General Purpose Bond)

		Price
Threaded, 5/8"x11		
6"x 2" x 5/8" hole	72458	\$7.45
STRAIGHT CUP		
6"x 2" x 5/8" hole	72467	7.45
FLARED CUP		

## WIRE BRUSHES

### STRAIGHT WIRE BRUSHES

	Standard Duty Arbor Hole	Adaptor Type	Price
Brush Size	30 GA.	31 GA.	
4"x 3/4" x 1/2" hole	73061	73067	\$1.80
6"x 1" x 5/8" hole	73062	73068	2.30

### CUP WIRE BRUSHES

#### General Purpose, 5/8"x11 Threaded Arbor Hole

Diameter	Wire Size	Cat. No.	Price
6 inches	.020	73079	\$5.00
6 inches	.012	73078	4.60

WRITE FOR COMPLETE LISTINGS OF OVER 500 GRINDING  
WHEELS AND WIRE BRUSHES IN ALL SIZES AND TYPES



# Thor

## Silver Line POLISHERS

### THOR POWER TOOL CAR POLISHES



THOR "CAR FINISH"—Finest on market for long-lasting protection of new and old cars. Use only 2½ ounces to beautify and protect average car!

1 QUART "CAR FINISH," Catalog No. 22654. Price \$4.50  
1 GALLON "CAR FINISH," Catalog No. 22655. Price \$16.00

### CAR CLEANERS

Removes road grime. Recommended for use with "Car Finish" to remove previous polishes, glazes and waxes.

No. 1 POLISH—for cars easy to clean. Cat. No. 22012. One Gallon. Price \$2.85

No. 2 POLISH—for cars hard to clean. Cat. No. 22013. One Gallon. Price \$3.50

### CAR WAX

For finest luster, in one pound metal container. Cat. No. 22045. Price \$1.35



### RUBBER BACKING PADS

Tapered back flexible pad (for use with or without felt pad). No. 22483. Price, \$3.50



### PNEUMATIC PAD

Catalog No. 66720. Price, \$11.95



### LAMBSWOOL BONNET Drawstring Type

Catalog No. 74229 (for use with combination flexible pad and felt pad). Price, each \$2.15  
Price each, quantities of six 1.99

Catalog No. 81738 (for use with flexible pad only). Price, each \$2.15  
Price each, quantities of six 1.99

### LAMBSWOOL PAD

Catalog No. 61112. Price, \$2.00  
Price Each, Quantity of Six \$1.50

### FELT CUSHION PAD

Catalog No. 61111. Price, \$1.25



**7"**  
**STANDARD**  
**DUTY**

EL92  
**\$75.00**

	7" Std. Duty	7" Heavy Duty
Code	EL92	EN92
Spindle Thread	5/8" x 11	5/8" x 11
Speed	1400 R.P.M.	1400 R.P.M.
Weight	9 lbs.	15¼ lbs.
Shipping Wt.	14 lbs.	20 lbs.
Length Overall	14¼"	17¾"
PRICE	\$75.00	\$83.00

EQUIPPED with rubber backing pad; nut; rubber tool guard; drawstring polishing bonnet; removable side handle for use on either side of tool; momentary trigger switch and lock; seven feet of 3-conductor cable with 2-prong plug and ground connector.



**7"**  
**HEAVY DUTY**  
EN92  
**\$83.00**



# VALVE REFACERS

*Thor*

## WET TYPE REFACER WITH FOUR-PURPOSE MICROMETER BUTT FIXTURE

Four-purpose Butt Fixture permits precision grinding (micrometer feed) of butt-ends of valve stems, tappets, rocker arms and also precision dresses butt grinding wheel.

### EQUIPMENT

- 1 Collet, 9/32" to 9/16" capacity  
(Optional, 1/2" to 11/16")
- 1 Offset Grinding Wheel, No. 73534
- 1 Cup Grinding Wheel, No. 73533
- 1 Micrometer Feed Butt Grider Fixture
- 1 Wheel dressing stand and dresser
- \*1 Extra dressing fixture for 90° flat valves
- 1 Shaded lamp with swivel fixture
- 1 1 pt. can concentrated Thor coolant
- 1 Splash guard
- 7 ft. 3-conductor cable with 2-prong plug and ground connector

\*When specified.

### SPECIFICATIONS

Base.....	16" x 24"
Weight.....	255 lbs.
Shipping Weight.....	290 lbs.
PRICE .....	\$359.50

Extra heavy construction, automatic bearing compensation at critical points of wear. Sliding heads feature smooth-riding three-point suspension on hardened and ground slide rods for extra long and accurate service. Double-Grip Collet is hardened, ground and internally lapped, gear driven by its own individual motor. New

Speed Chuck permits even larger butt-end valves to be admitted and released with only one turn of the new 2 1/4" hand wheel.

### EXTRA COLLETS

1/4" to 7/16", Catalog No. 80469.....	\$14.00
9/32" to 9/16", Catalog No. 74499.....	9.50
1/2" to 11/16", Catalog No. 74500.....	11.90

Model

100

\$359<sup>50</sup>



## STREAMLINED WET TYPE REFACER

### EQUIPMENT

- 1 Collet, 9/32" to 9/16" capacity  
(Optional 1/2" to 11/16")
- 1 Offset grinding wheel, No. 73534
- 1 Wheel Dressing Stand and Dresser
- \*1 Extra dressing fixture for 90° flat valves
- 1 Shaded lamp with swivel fixture
- 1 1 pt. can concentrated Thor coolant
- 1 Splash guard
- 7 ft. 3-conductor cable with 2-prong plug and ground connector

\*When specified.

### SPECIFICATIONS

Base.....	16" x 24"
Weight.....	245 lbs.
Shipping Weight.....	280 lbs.
PRICE .....	\$290.00

### EXTRA EQUIPMENT

Attachment for grinding rocker arms and tappets on refacer wheel, Cat. No. 78699. Price, \$18.50  
ASSEMBLY 99-100 for converting Model 99 to Model 100 Valve Refacer, Price.....\$82.50

Model

99

\$290<sup>00</sup>



No. 78699  
Attachment

Motors on Thor Valve Refacers standard: 110 volt, 60 cycle, 1 phase; optional, 220 volt, 60 cycle, 1 phase.



# Thor

# VALVE SHOPS



**CABINET ONLY**  
Catalog No. 74328.....Price \$67.75

**SERIES  
100  
SHOPS**

Series 100 Valve Shops include Model 100 Valve Refacer, fitted cabinet equipped with casters, No. SG Heavy Duty Valve Seat Grinder, No. 74241 Wheel Dresser, two wheel holders, No. 74666 Valve Refacer Cover and, where indicated, seat grinding wheels and pilots as listed at center of page.

Equipment	2 Roller Bearing Wheel Holders	
	8 Wheels 5 Pilots	No. Wheels or Pilots
Shop No.	222	282
Price	\$558.00	\$535.00
Equipment	2 Plain Bearing Wheel Holders	
	8 Wheels 5 Pilots	No. Wheels or Pilots
Shop No.	111	101
Price	\$545.00	\$520.00

## WHEELS and PILOTS

furnished with Thor Valve Shops where indicated

- 1 1/2" 45° Finishing Wheel, No. 74159
- 1 5/8" 45° Finishing Wheel, No. 74160
- 1 3/4" 45° Finishing Wheel, No. 74161
- 1 7/8" 45° Finishing Wheel, No. 74162
- 1 1/2" 30° Finishing Wheel, No. 74163
- 1 3/4" 30° Finishing Wheel, No. 74164
- 1 5/8" 45° Roughing Wheel, No. 74165
- 1 3/4" 45° Roughing Wheel, No. 74166
- 5/16" Expanding Pilot, No. 75734
- 1 1/32" Expanding Pilot, No. 75735
- 3/8" Expanding Pilot, No. 75736
- 1 1/32" Plug Pilot (V8-85), No. 75745

(No. 80984 Pilot Wrench Furnished with Above)



**SERIES  
99  
SHOPS**

Series 99 Valve Shops include Model 99 Valve Refacer, fitted cabinet equipped with casters, No. SG Heavy Duty Valve Seat Grinder, No. 74241 Wheel Dresser, two wheel holders, No. 74666 Valve Refacer Cover and, where indicated, seat grinding wheels and pilots as listed at center of page.

Equipment	2 Roller Bearing Wheel Holders	
	8 Wheels 5 Pilots	No. Wheels or Pilots
Shop No.	9922	9902
Price	\$495.00	\$470.00
Equipment	2 Plain Bearing Wheel Holders	
	8 Wheels 5 Pilots	No. Wheels or Pilots
Shop No.	9911	9901
Price	\$480.00	\$455.00



*Silver Line*

*Thor*

# VALVE SEAT GRINDERS

SEE VALVE SEAT KITS ON NEXT PAGE

1/2" straight hexagon spindle takes Thor heavy duty wheel holders for driving up to 2 1/2" wheels. 55° angle head allows free access to back valve seats, makes for easier handling on V-type engines.

EQUIPPED with 7 ft. 3-conductor cable with 2-prong plug and ground connector.

Code No.	SG	SGY
Speed, R.P.M.	12,000	10,000
Weight, lbs.	5 1/4	5 1/4
Shipping Wt. lbs.	8	8
Length Overall	10 7/8"	10 7/8"
Spindle Offset	1"	1"
PRICE	\$52.50	\$60.00

**HEAVY DUTY \$52.50**



Thor Valve Seat Grinders are ruggedly built and designed for use with Thor Wheel Holders, Wheels and Pilots to produce factory smooth, factory true factory concentric finish on valve seats.

Splined spindle takes Thor extra heavy duty wheel holders for driving up to 4" wheels. [Adaptor with 1/2" straight hexagon drive for heavy duty wheel holders available at no extra charge when specified.]

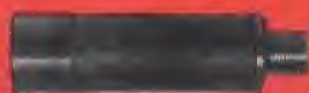
EQUIPPED with 7 ft. 3-conductor cable with 2-prong plug and ground connector.

Code No.	SGH	SGHY
Speed, R.P.M.	8,000	10,000
Weight	6 lbs.	6 lbs.
Shipping Wt.	8 1/4 lbs.	8 1/4 lbs.
Length Overall	12 1/2"	12 1/2"
Spindle Offset	1"	1"
PRICE	\$65.00	\$65.00

**EXTRA HEAVY DUTY \$65.00**



## WHEEL HOLDERS FOR THOR VALVE SEAT GRINDERS



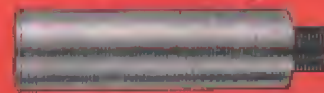
PLAIN BEARING, for use with Thor heavy duty drivers. Catalog No. 74145, price, \$3.95 each.



ROLLER BEARING, for use with Thor heavy duty drivers. Catalog No. 74146, price, \$10.85 each.



SHORT ROLLER BEARING, for use with Thor heavy duty drivers. Catalog No. 74351, price, \$10.00 each.



BALL BEARING, for use with Thor extra heavy duty driver. Catalog No. 81078, price, \$17.50 each.



# Thor

# VALVE SEAT KITS

## VALVE SEAT GRINDING EQUIPMENT



Ball Type  
PILOT WRENCH  
For 3/4" stem pilot  
No. 80984  
\$4.50



Heavy Duty  
WHEEL DRESSER  
Up to 3 1/2" Wheel  
No. 74241  
\$24.50



Extra Heavy Duty  
WHEEL DRESSER  
Up to 6" Wheel  
No. 75652  
\$89.50



FLEXIBLE SHAFT DRIVE  
(For use with Electric Drills)  
1/4" Shank  
1/2" Str. Hexagon Drive  
No. 76099 \$2.50



HEX BALL ADAPTOR  
No. 74244  
\$2.05



Thor Valve Seat Kits include SG Heavy Duty Valve Seat Grinder, two Wheel Holders as indicated, No. 74241 Wheel Dresser, Wheels and Pilots where indicated and No. 74243 fitted Metal Box.

### HEAVY DUTY KITS

[with SG Heavy Duty Valve Seat Grinders]

Equip- ment	2 Roller Bearing Wheel Holders		2 Plain Bearing Wheel Holders	
	8 Wheels 5 Pilots	No Wheels or Pilots	8 Wheels 5 Pilots	No Wheels or Pilots
Kit No.	22	2	11	1
Shipping	39	35	39	35
Wt. Lbs.				
Price	\$135.00	\$108.00	\$118.50	\$93.50
Wheels furnished with No. 22 and No. 11 Kits				
1 1/2" 45° Finishing Wheel, No. 74159			1 1/2" 30° Finishing Wheel, No. 74163	
1 5/8" 45° Finishing Wheel, No. 74160			1 3/4" 30° Finishing Wheel, No. 74164	
1 3/4" 45° Finishing Wheel, No. 74161			1 5/8" 45° Roughing Wheel, No. 74165	
1 7/8" 45° Finishing Wheel, No. 74162			1 3/4" 45° Roughing Wheel, No. 74166	
Pilots furnished with No. 22 and No. 11 Kits				
5/16" Expanding Pilot, No. 75734			1 1/32" Plug Pilot (VB-85), No. 75745	
1 1/32" Expanding Pilot, No. 75735			Pilot Wrench, No. 80784	
3/8" Expanding Pilot, No. 75736				

### 22HD HEAVY DUTY KIT — \$170.00

- 1 SG Heavy Duty 55° Grinder
  - 1 No. 74243 Metal Kit Box
  - 1 No. 74241 Wheel Dresser
  - 2 No. 74145 Plain Bearing Wheel Holders
  - 3 No. 78392 5/16" Plug Pilots  
(Standard +.001, +.002, +.003)
  - 3 No. 77654 1 1/32" Plug Pilots  
(Standard +.001, +.002, +.003)
  - 3 No. 78225 3/8" Plug Pilots  
(Standard +.001, +.002, +.003)
  - 3 No. 78396 7/16" Plug Pilots  
(Standard +.001, +.002, +.003)
  - 1 No. 75745 1 1/32" Plug Pilot (VB-85)
  - 1 No. 80984 Pilot Wrench
- Net Wt. 40 Lbs.

#### 7 45° Hard Seat Wheels

- 1 1/2" No. 21234
- 1 5/8" No. 21238
- 1 3/4" No. 21242
- 1 7/8" No. 21246
- 2 1/8" No. 21254
- 2 1/4" No. 21258
- 2 1/2" No. 21330

#### 7 45° Soft Seat Wheels

- 1 1/2" No. 74168
- 1 5/8" No. 74165
- 1 3/4" No. 74166
- 1 7/8" No. 74165
- 2 1/8" No. 74197
- 2 1/4" No. 74205
- 2 1/2" No. 74221

#### 2 30° Soft Seat Wheels

- 1 5/8" No. 74175
  - 1 3/4" No. 74180
- Shipping Wt. 44 Lbs.

### No. 3 EXTRA HEAVY DUTY KIT — \$180.00

- 1 SGH Extra Heavy Duty Grinder
- 2 No. 81078 Ball Bearing Wheel Holders

- 1 No. 75652 Extra Heavy Duty Wheel Dresser
- 1 No. 74243 Metal Kit Box

(No Wheels or Pilots Furnished)

Net Wt. 46 Lbs.

Shipping Wt. 52 Lbs.

### SPECIAL KITS

Contents of the following Kits have been checked with the manufacturer for suitability in servicing the specified equipment. Additional equipment available to adapt these Kits to general use.

Number	Description	Price	Write for Bulletin Number
22KF	Kaiser-Frazer	\$121.00	E-828
11E-STU	Studebaker	155.00	JE-1246
22E-STU	Studebaker	170.00	JE-1246
11P-STU	Studebaker	197.00	JE-1246
22P-STU	Studebaker	212.00	JE-1246
22B&S	Briggs and Stratton Engines	151.70	7646
23JD	John Deere Tractors	210.00	7228
11-OL	Oliver Tractors	149.00	JE-1183
	All Make Cars, Trucks, Tractors		8379



# VALVE SHOP ACCESSORIES

*Thor*

## PILOTS SEAT GRINDING WHEELS

### PILOT WRENCH

Catalog No. 80984 (for use with 3/4" stem pilots using 74145, 74146, 76351 and 76355 wheel holders).  
Price ..... \$3.50

### EXPANDING PILOTS

#### HEAVY DUTY 3/8" Diameter Shank

For use with Heavy Duty Wheel Holders Nos. 74145 and 74146

Size	Number	A	B	Price
9/32	75733	5/16	2 1/2	\$4.95
1/4	75734	5/16	2 1/2	4.95
5/16	83828	4	3 3/4	4.95
11/32	75735	4 1/2	3 7/8	4.95
3/8	76349	4 1/2	1 1/2	4.95
7/16	75736	5 1/8	3 1/2	4.95
25/64	83829	6 1/8	3	4.95
1/2	75737	6 1/2	3 1/2	4.95
5/8	75738	6 1/2	3 1/2	4.95
15/32	75739	6 3/4	3 1/2	4.95
3/4	75740	6 3/4	3 1/2	5.50
7/8	75741	7	3 1/2	6.05
1 1/8	75743	7 1/4	3 1/2	6.90

\*Short K-F Pilot for use with No. 76351 Wheel Holder

#### EXTRA HEAVY DUTY 9/16" Diameter Shank

For use with Extra Heavy Duty Wheel Holder No. 75654

Size	Number	A	B	Price
1/4	75663	8 1/4	3 3/4	\$6.05
5/16	75664	8 3/4	3 3/4	6.90
3/8	**75747	11 3/8	5 3/4	6.90
1/2	75665	8 3/4	3 3/4	7.15
5/8	75666	8 3/4	3 3/4	8.45

\*\*Electromotive

### PLUG PILOTS

#### HEAVY DUTY 3/8" Diameter Shank

For use with Heavy Duty Wheel Holders Nos. 74145 and 74146

Furnished in standard sizes indicated and in oversizes plus .001, .002, .003 and .004.

Size	Cat. No.	"A" Overall Length	"B" Shank Length	Price
1/4"	76503	5 3/4"	4"	\$2.00
5/16"	78042	5 1/4"	2 5/8"	2.00
3/8"	78560	5 1/2"	2 1/8"	2.00
1/2"	78561	6 1/4"	2 3/8"	2.00
5/8"	78638	5 3/8"	2 1/2"	2.00
11/32"	77654	6 1/2"	2 3/8"	2.00
11/32"	78393	6"	2 3/8"	2.00
11/32"	79008	6 1/2"	3 1/8"	2.00
.3452"	78227	6"	2 3/8"	2.00
3/8"	77474	7"	3"	2.00
5/8"	78125	6 1/4"	2 3/4"	2.00
3/4"	78394	5 1/2"	2 1/2"	2.00
7/8"	78420	8"	3"	2.00
1 1/8"	78422	7 1/4"	2 3/4"	2.00
1 1/8"	78423	6 1/4"	2 1/4"	2.00
.3960"	78226	6"	2 1/2"	2.00
1 1/4"	78424	8 1/2"	3"	2.00
1 1/2"	78434	9 1/4"	3 3/4"	2.25
1 3/4"	78536	8 1/2"	3 1/2"	2.25
.592"	75742	5 1/2"	3"	4.00
.850"	75744	4 3/4"	3"	4.00
1 1/2"	75745	4 3/4"	3"	4.00

For use with **HEAVY DUTY** Wheel Holders, 1 1/16" x 11 Thread, Nos. 74145, 74146 and 76351

Diam-eter	Price All Wheels	45°			30°			15° Narrow-ing
		Roughing		Finish-ing	Roughing		Finish-ing	
		For Soft Seats	For Hard Seats		For Soft Seats	For Hard Seats		
1/16"	\$1.70	*21428	*22017	*21427				
1/8"	1.70	*21430	*22018	*21429	*21432	*22023	*21431	*21433
1/4"	1.70	*21435	*22019	*21434	*21437	*22024	*21436	*21438
3/8"	1.70	*21440	*22020	*21439	*21442	*22025	*21441	*21443
1/2"	1.70	*21445	*22021	*21444	*21447	*22026	*21446	*21448
5/8"	1.70	*21450	*22022	*21449	*21452	*22027	*21451	*21453
3/4"	1.70	74168	21234	74159	74169	21235	74163	74224
7/8"	1.70	74171	21236	74170	74173	21237	74172	74225
1 1/8"	1.70	74165	21238	74160	74175	21239	74174	74225
1 1/4"	1.70	74177	21240	74176	74179	21241	74178	74226
1 1/2"	1.70	74166	21242	74161	74180	21243	74164	74226
1 3/4"	1.70	74182	21244	74181	74184	21245	74183	74227
2"	1.70	74185	21246	74182	74187	21247	74186	74227
2 1/8"	1.70	74169	21248	74188	74191	21249	74190	21302
2 1/4"	1.70	74249	21250	74248	74251	21251	74250	21302
2 1/2"	2.10	74193	21252	74192	74195	21253	74194	21303
2 3/4"	2.10	74197	21254	74196	74199	21255	74198	21304
3"	2.10	74201	21256	74200	74203	21257	74202	21305
3 1/8"	2.10	74205	21258	74204	74207	21259	74206	21306
3 1/4"	2.10	74209	21324	74208	74211	21325	74210	21307
3 1/2"	2.10	74213	21326	74212	74215	21327	74214	21308
3 3/4"	2.10	74217	21328	74216	74219	21329	74218	21309
4"	2.10	74221	21330	74220	74223	21331	74222	21310
4 1/8"	2.75		21332			21333		
4 1/4"	2.75	75980	21334	75981	75982	21335	75983	21311
4 1/2"	2.75	75984	21336	75985	75986	21337	75987	21312
4 3/4"	2.75	75988	21338	75989		21339		21313
5"	2.75	75990	21340	75991	75992	21341	75993	21314
5 1/8"	2.75	75994	21342	75995	75996	21343	75997	21315
5 1/4"	3.50	75998	21344	75999	76000	21345	76001	21316
5 1/2"	3.50	76002	21346	76003	76004	21347	76005	21317
5 3/4"	3.50	76006	21348	76007	76008	21349	76009	21318
6"	3.50	76010	21350	76011	76012	21351	76013	21319

\*1 1/2" Length, all others 3/4" Length

NOTE: 15° Wheels for International Trucks:

2 3/8" 15° Roughing Wheel, Cat. No. 22035, Price \$2.10  
2 3/8" 15° Finishing Wheel, Cat. No. 22036, Price \$2.10

For use with **EXTRA HEAVY DUTY** Wheel Holders, 7/8" x 14 Thread, No. 75654

Diam-eter	Price	45°			30°			15° Nar-row-ine
		Roughing		Finish-ing	Roughing		Fin-ish-ing	
		For Soft Seats	For Hard Seats		For Soft Seats	For Hard Seats		
2 1/4"	\$3.00	75557	22219	75556	75559	22220	75558	
2 1/2"	3.00	75561	22221	75560	75563	22222	75562	22211
2 3/4"	3.00	75565	22223	75564	75567	22224	75566	22212
3"	3.00	75569	22225	75568	75571	22226	75570	22213
3 1/8"	3.00	75573	22227	75572	75575	22228	75574	22214
3 1/4"	3.25	75577	22229	75576	75579	22230	75578	22215
3 1/2"	3.25	75581	22231	75580	75583	22232	75582	22216
3 3/4"	3.25	75585	22233	75584	75587	22234	75586	22217
4"	3.50	75589	22235	75588	75591	22236	75590	22218
4 1/8"	3.50	75593	22237	75592	75595	22238	75594	21401
4 1/4"	3.50	75597	22239	75596	75599	22240	75598	21402
4 1/2"	3.75	75601		75600	75603		75602	21403
4 3/4"	4.25	75605		75604	75607		75606	21404
5"	4.25	75609		75608	75611		75610	21405
5 1/8"	4.25	75613		75612	75615		75614	21406
5 1/4"	4.25	75617		75616	75619		75618	21407
5 1/2"	4.50	75621		75620	75623		75622	21408
5 3/4"	4.50	75625		75624	75627		75626	21409
6"	5.00	75629		75628	75631		75630	21410
6 1/8"	5.25	75633		75632	75635		75634	21411
6 1/4"	5.25	75637		75636	75639		75638	21412
6 1/2"	5.50	75641		75640	75643		75642	21413
6 3/4"	5.75	75645		75644	75647		75646	21414
7"	6.00	75649		75648	75651		75650	21415

Wheels under 2 1/4" diameter are vitrified; all 2 1/4" and over are resinoid bonded.

SEE THOR VALVE SEAT GRINDING GUIDE No. 8379

For Wheel and Pilot Recommendations for all makes of cars, trucks, buses, tractors, combines, road machinery, motorcycles, stock motors, marine motors and other similar



## VALVE SHOP ACCESSORIES

### VALVE GUIDE CLEANERS REAMER TYPE

Size	Number	Price
9/32"	74228	\$1.10
5/16"	74229	1.10
11/32"	74230	1.10
3/8"	74231	1.10
13/32"	74232	1.10
7/16"	74233	1.10
15/32"	74234	1.45
1/2"	74235	1.45
9/16"	74236	1.45
.5921"	74237	1.55
.8301"	74240	1.80
1 1/32"	74239	1.85

\*Ford A&B  
\*\*V8-85 1V8-85

### BRUSH TYPE

Size	Number	Price
5/16"	73081	\$0.74
11/32"	73082	.74
3/8"	73083	.74
13/32"	73084	.74
7/16"	73085	.74
1/2"	73086	.74
9/16"	73087	.74
5/8"	73088	.74
11/8"	73089	.74
1 1/32"	73090	.74

\*V8-85



### DIAL INDICATOR GAUGES

HEAVY DUTY—Mounts on Thor Heavy Duty Pilots. Adjustable for seats from 1 1/8" to 3 1/2". Dial graduated in .001".

Cat. No. 82457, price.....\$22.50

EXTRA HEAVY DUTY—Mounts on Thor Extra Heavy Duty Pilots. Adjustable for seats from 27/16" to 6". Dial graduated in .001".

Cat. No. 75653, price.....\$24.50

### WHEEL DRESSING NIBS

For 99 or 100 Valve Refacer.

Cat. No. 74448, price.....\$5.00

For No. 74241 Valve Seat Wheel Dresser.

Cat. No. 74327, price.....\$5.00

For No. 75652 Valve Seat Wheel Dresser.

Cat. No. 75667, price.....\$6.50

### VALVE REFACER CABINET

As illustrated on page 32, heavy gauge steel construction with masonite table surface, swivel casters. 36" long x 20" wide x 33" high. No. 74328. Price.....\$67.75

### THOR COOLANT

THOR COOLANT is a concentrated soluble oil. Dilute with 50 parts of water to one of oil. Special formula keeps grinding wheels free cutting.

No. 20316, 1 Pint Can (makes 6 gallons).

Price.....\$0.75

No. 20317, 1 Gallon Can (makes 50 gallons).

Price.....\$4.95

### VALVE REFACER COVER

Made of sturdy pyroxalin material, waterproof, cut to cover entire Model 99 or 100 unit.

Cat. No. 74666, price.....\$5.50

### VALVE REFACER GRINDING WHEELS

Application	Description	Size	Cat. No.	Price
Valve Refacing	Gen'l Purpose Offset	4"x 1" x 5/8" hole	73534	\$2.70
Butt Grinding	Gen'l Purpose Cup	4"x 1" x 5/8" hole	73533	2.40
Stellite Valve Refacing	Offset Wheel	4"x 1" x 5/8" hole	73535	2.45
90° Valve Refacing	Double Recessed Wheel	4"x 3/4" x 5/8" hole	74247	2.25



### CARBON CLEANING BRUSHES

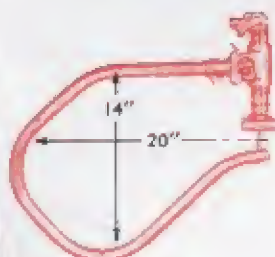
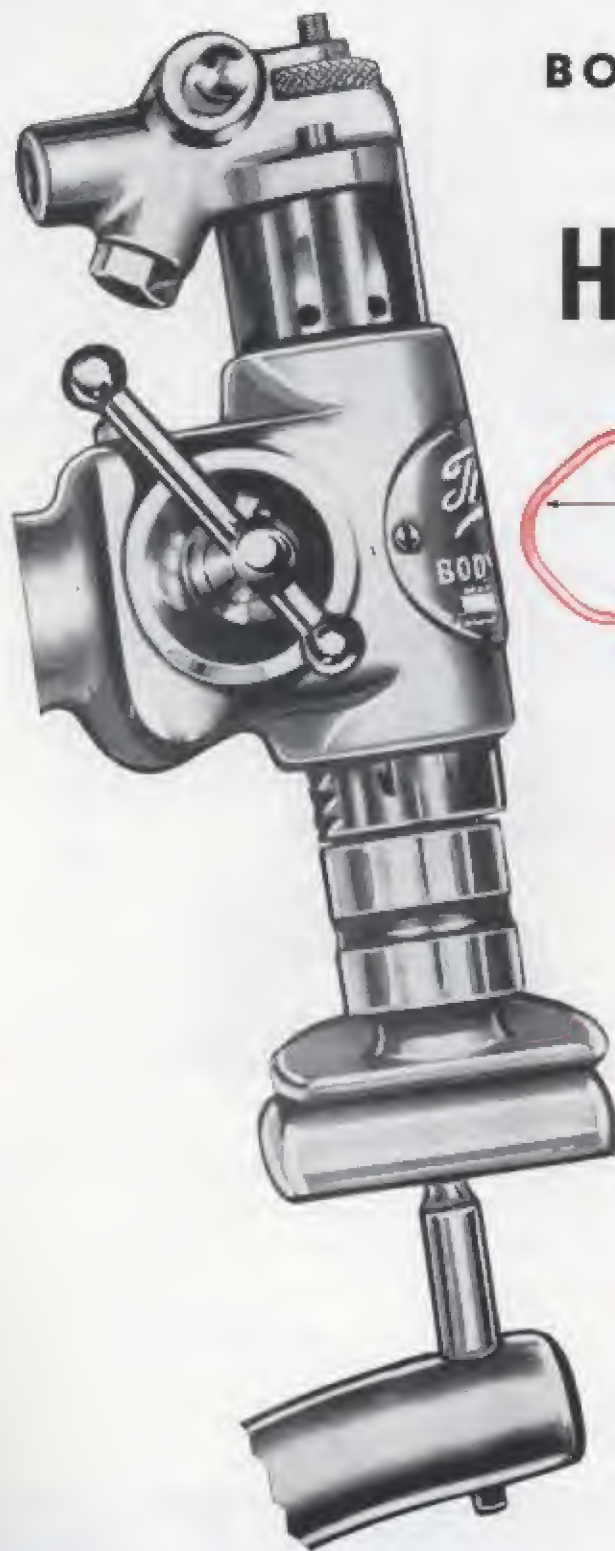
1/4" Shank chuck into Electric Drill for use in removing carbon deposits on cylinders, valve seats and combustion chambers. Also excellent for removing burrs, paint, rust, etc.

No. 72640	No. 72641	No. 72642	No. 72643	No. 72644	No. 72645	No. 72646
Each.....\$0.80	Each.....\$1.00	Each.....\$1.30	Each.....\$1.25	Each.....\$1.40	Each.....\$1.60	Each.....\$1.60
1" Diameter Black Tempered Straight Wire .028 Wire Size	1 1/4" Diameter Spec. Analysis Crimped Wire .020 Wire Size	1 1/4" Diameter Crimped Music Wire .020 Wire Size	3/4" Diameter Crimped Music Wire .018 Wire Size	1 1/2" Diameter Crimped Music Wire .018 Wire Size	3" Diameter Flared Music Wire .020 Wire Size	1 1/8" Diameter Spec. Analysis Spiral Twist .020 Wire Size

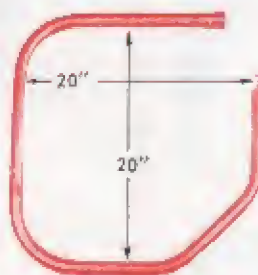


# BODY and FENDER AIR HAMMER

*Thor*



Yoke No.  
77285



Yoke No.  
77286



Yoke No.  
77287

## COMPLETE KIT

Includes Thor Air Hammer, five yokes, four dollies, two dolly pins, one ripping chisel, one goo scraping chisel, one chisel adaptor and 25 feet of air hose and fittings. Complete equipment for reconditioning all turret tops, hoods, bodies, doors and fenders.

Shipping Weight, 73 lbs.

**\$148.50**

## UTILITY KIT

Includes Thor Air Hammer, three yokes (Nos. 77285, 77286, 77287), three dollies, two dolly pins and 25 feet of air hose and fittings. Handles most body shop jobs.

Shipping Weight, 48 lbs.

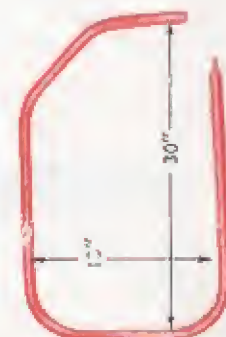
**\$110.00**

## AUXILIARY KIT

converts Utility Kit into Complete Kit. Includes two yokes (Nos. 77288, 77289), one dolly, one ripping chisel, one goo scraping chisel and one chisel adaptor.

Shipping Weight, 25 lbs.

**\$44.00**



Yoke No.  
77288



Yoke No.  
77289

## EASY TO OPERATE

**BALL SWIVEL ACTION** on both upper and lower dollies. Always aligns perfectly. Even inexperienced operators do perfect work first time.

**PUSH BUTTON "ON-OFF"** air control. Works like an electric switch. Leaves both hands free to manipulate hammer and work.

**INDEPENDENT NEEDLE VALVE**, with knurled nut control, regulates speed and power of the hammer from dead stop to full power.

**SENSITIVE RATCHET CONTROL** guides hammer to exact clamping position.

**POSITIVE RATCHET LOCK**, set or released by flip of the finger, holds hammer firmly locked in position.

**RIGID YOKE LOCKING** device permits quick changes of yokes, prevents wear and loose-fitting yokes.





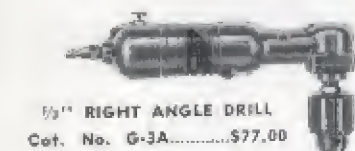


# MULTIMATIC AIR TOOL KIT

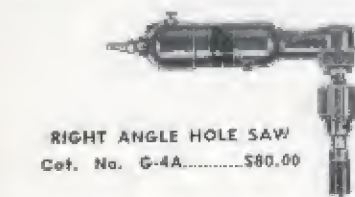
**Eight Complete Tools in One Compact Kit**  
ANY TOOL OPERATES FROM 3 H.P. COMPRESSOR



**1/4" PISTOL GRIP DRILL**  
Cat. No. G-1A.....\$58.00  
(G-2A Button Throttle Model, \$56.00)



**1/2" RIGHT ANGLE DRILL**  
Cat. No. G-3A.....\$77.00



**RIGHT ANGLE HOLE SAW**  
Cat. No. G-4A.....\$80.00



**4" HEAVY DUTY GRINDER**  
Cat. No. G-5A.....\$66.00



**4" HEAVY DUTY WIRE BRUSH**  
Cat. No. G-6A.....\$65.00



**7" DISC SANDER POLISHER**  
Cat. No. G-7A.....\$77.00



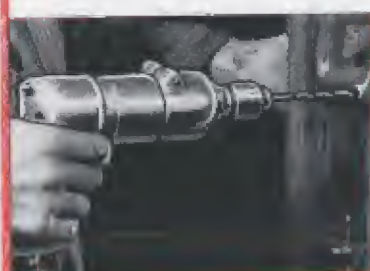
**7" POLISHER**  
Cat. No. G-8A.....\$77.00



Equipped complete as illustrated with one air motor unit, handles, head units and accessories assembling either a 1/4" drill (button throttle or pistol grip), 1/2" right angle drill, right angle hole saw, 4" heavy duty grinder, 4" heavy duty wire brush, 7" disc sander, or 7" polisher. (Tools also available individually as illustrated at left).

Kit Complete Code G-9A.....**\$156.00**  
Shipping Weight .....29 lbs.

38







## FACTORY BRANCH REPAIR SERVICE

For Thor tool users and distributors, Thor operates completely equipped factory branches in principal cities . . . manned by factory trained tool engineers . . . well stocked with genuine Thor parts, to give you immediate repair service on all Thor power tools. These factory branches bring *faster* repair service—plus the added advantages of repair *economy* and new tool satisfaction . . . every tool repaired carries the same guarantee as a new tool! LET THE MEN WHO BUILT YOUR THOR TOOL SERVICE IT! Be sure worn parts are replaced with genuine Thor parts!

### CATALOG SHEETS, MANUALS, PARTS LISTS

For the conscientious tool buyer who desires additional information not shown in the catalog, or who wishes to replace lost instruction manuals or parts lists, extra catalog sheets, manuals and parts lists are available at all Thor branches.

## GUARANTEE

All THOR Tools and Parts are guaranteed against any defect in material or workmanship. THOR will replace parts which, upon examination at THOR factory service branch (or factory), indicate that they are defective. The complete Tool or Part must be returned to a THOR factory branch (or THOR factory) transportation charges prepaid. No replacement will be made if repairs to the Tool or Part have been attempted by anyone excepting the above service stations.

## THOR POWER TOOL COMPANY

FACTORIES: AURORA, ILL.      LOS ANGELES, CALIF.  
NEWCASTLE-ON-TYNE, ENGLAND

### EXPORT DIVISION

330 W. 42nd St., New York 36, N. Y.—Cable Address THOR TOOLS  
LONDON, ENGLAND    TORONTO, CANADA    JOHANNESBURG, SO. AFRICA  
HERRAMIENTAS THOR DE MEXICO, S.A. DE C.V.  
MEXICO, D.F., MEXICO

"THOR TOOL HEMISPHERE, INC."  
São Paulo, Brazil

"THOR TOOL CONTINENTAL, INC."  
Antwerp, Belgium

## FACTORY BRANCHES

BIRMINGHAM 4, ALA.  
1411 13rd Ave., N.

BOSTON 15, MASS.  
78 Brookline Ave.

BUFFALO 23, N. Y.  
735 Military Road

CHICAGO 7, ILL.  
1405 W. Washington Blvd.

CINCINNATI 12, O.  
3726-28 Floral Ave.

CLEVELAND 3, O.  
E. 40th & Payne Ave.

DENVER 4, COLO.  
1040 Speer Blvd.

DETROIT 3, MICH.  
15605 Woodrow Wilson

HOUSTON 11, TEXAS  
7241 Harrisburg Blvd.  
(P. O. Box 9384)

LOS ANGELES 22, CAL.  
6200 E. Slauson Ave.

MILWAUKEE 3, WIS.  
1016 W. State St.

NEWARK 7, NEW JERSEY  
1 Tichenor Lane  
Corner of Parkhurst St.

NEW YORK  
Long Island City  
32-54 Greenpoint Ave.

PHILADELPHIA 30, PA.  
1701 Fairmount Ave.

PITTSBURGH 21, PA.  
204 Thomas St.

ST. LOUIS 8, MO.  
4044 Forest Park Blvd.

ST. PAUL 2, MINN.  
220 W. 7th St.

SALT LAKE CITY 1, UTAH  
146 W. South Second St.

SAN FRANCISCO 3, CAL.  
315 S. Van Ness Ave.

SEATTLE 22, WASH.  
611 E. Pike St.

TORONTO, ONT., CAN.  
—1909 Davenport Rd.



